

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:10:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 7 TO 298
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 16:11:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 118 TO ITERATE

100.0% PROCESSED 118 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L3 11 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	140.66	140.87

FILE 'CAPLUS' ENTERED AT 16:11:08 ON 21 MAY 2002
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FILE COVERS 1907 - 21 May 2002 VOL 136 ISS 21
FILE LAST UPDATED: 20 May 2002 (20020520/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l3

L4 6 L3

=> d ibib abs hitstr tot

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:475624 CAPLUS

DOCUMENT NUMBER: 133:104877

TITLE: Processes for producing acrylic acid derivatives useful as agrochemicals and pharmaceuticals

INVENTOR(S): Miyazawa, Yasuyuki; Sagae, Takahiro; Ishii, Hiroshi; Yazaki, Hiroyuki; Funabora, Makoto; Takase, Mitsuru; Iiyoshi, Yoshiyuki; Yamazaki, Satoru; Kawahara, Noriaki

PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan

SOURCE: PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2000040537	A1	20000713	WO 1999-JP7397	19991228
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2000191554	A2	20000711	JP 1998-377353	19981229
JP 2000212120	A2	20000802	JP 1999-13759	19990122
JP 2000212122	A2	20000802	JP 1999-14319	19990122
EP 1142857	A1	20011010	EP 1999-961471	19991228

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

PRIORITY APPLN. INFO.:

JP 1998-377353	A	19981229
JP 1999-13759	A	19990122
JP 1999-14319	A	19990122
JP 1999-66656	A	19990312
JP 1999-298257	A	19991020
JP 1999-348302	A	19991208
JP 1999-348564	A	19991208
JP 1999-348752	A	19991208
WO 1999-JP7397	W	19991228

OTHER SOURCE(S): CASREACT 133:104877; MARPAT 133:104877

AB Claimed is the prepn. of acrylic acid derivs. $R_1C(:CHOH)C(:X)R_2$ (I) or $R_1CH(CHO)C(:X)R_2$ [R_1 = (un)substituted aryl, etc.; X = O, etc.; R_2 = (un)substituted alkoxy, etc.] by formylation of $R_1CH_2C(:X)R_2$ [R_1 , R_2 , X = as defined above] with a formic acid ester or orthoformic acid ester in the presence of a Lewis acid and a base. I are then converted to $R_1C(:CHOR_3)C(:X)R_2$ (II) [R_3 = alkyl, etc.] , e.g., by treatment with R_3OH or with R_3OH and $CH(OR_3)_3$ under acidic conditions. In another process,

II is efficiently produced without isolating I. The title compds. are useful as agrochems. and pharmaceuticals (no data). Thus, a mixt. of tri-Me orthoformate and $TiCl_4$ in CH_2Cl_2 was stirred for 1 h and then cooled to 0.degree.; a soln. of Me 2-(chloromethyl)phenylacetate in CH_2Cl_2 was added to said mixt.; 30 min later, a soln. of triethylamine was added to the reaction mixt; the reaction was allowed to proceed for a further 1 h to give Me 2-(2-chloromethylphenyl)-3-hydroxyacrylate in 94% yield.

IT **172463-70-6P**

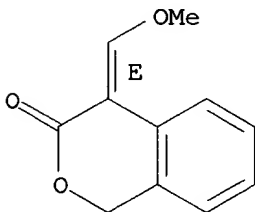
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(processes for producing acrylic acid derivs. as agrochems. and pharmaceuticals)

RN 172463-70-6 CAPLUS

CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-(methoxymethylene)-, (4E)- (9CI)
(CA

INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT:
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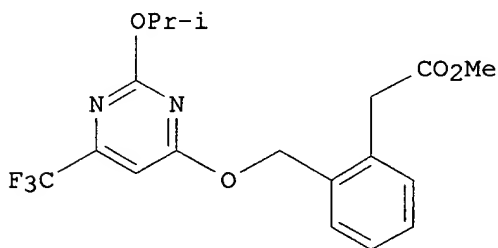
31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1999:576888 CAPLUS
 DOCUMENT NUMBER: 131:184966
 TITLE: Methods for highly selectively O-alkylating amide
 compounds with the use of copper salts
 INVENTOR(S): Takase, Mitsuru; Miyazawa, Yasuyuki; Tsubokura, Shiro
 PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9944969	A1	19990910	WO 1999-JP1053	19990304
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1070692	A1	20010124	EP 1999-937922	19990304
R: DE, ES, FR, GB, IT				
PRIORITY APPLN. INFO.:			JP 1998-73099	A 19980306
			WO 1999-JP1053	W 19990304
OTHER SOURCE(S):			CASREACT 131:184966; MARPAT 131:184966	
GI				



AB Disclosed is a method for alkylation of compds. having one or more structures represented by general formula CONH (amide) or its enol C(OH):N as partial structure thereof, which are typified by pyrimidone and pyridone compds., have two or more reaction sites in alkylation reactions.

Accordingly, there is no process for producing O-alkylated products of these compds. at a high selectivity or such processes, if any, are applicable exclusively to those having limited structures. Claimed is a process for selectively O-alkylating such a compd. as described above by

converting it into the copper salt by using a monovalent copper compd. such as copper suboxide and then reacting it with an alkylating agent having a leaving group in the presence of a phosphorus compd. such as a phosphite. Pyrimidyloxy derivs. or pyridyloxy derivs. obtained by this etherification reaction is useful as intermediates of pesticides or drugs.

Thus, 22.2 g 2-isopropoxy-6-trifluoromethyl-4-hydroxypyrimidine and 7.2 g copper suboxide (Cu₂O) were suspended in 200 mL decane and heated at 140.degree. with removing formed water until no more formation of water was obsd. To the reaction mixt. was added 16.6 g tri-Et phosphinate, followed by adding 19.9 g Me [2-(chloromethyl)phenyl]acetate all at once after 20 min, and the resulting mixt. was allowed to react at 140-150.degree. for 6 h and left to stand at room temp. overnight to give Me 2-[(3-pyrimidinyl)oxy)methyl]phenylacetate (II). The byproduct, Me [2-(2-isopropoxy-6-trifluoromethyl-4-oxo-3,4-dihydropyrimidin-3-yl)methyl]phenyl]acetate was formed in <1% yield.

IT 186501-29-1P

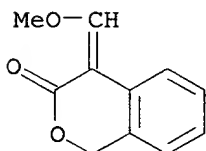
RL: SPN (Synthetic preparation); PREP (Preparation)

(methods for highly selectively O-alkylating amide compds.

(pyrimidinone or hydroxypyrimidine derivs.) with use of copper salts and phosphite)

RN 186501-29-1 CAPLUS

CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-(methoxymethylene)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:208540 CAPLUS

DOCUMENT NUMBER: 128:257333

TITLE: Preparation of heterocyclic compounds as new antidotes

in herbicidal compositions

INVENTOR(S): Tobler, Hans; Szczepanski, Henry; Fory, Werner

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Tobler, Hans; Szczepanski, Henry; Fory, Werner

SOURCE: PCT Int. Appl., 82 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9813361	A1	19980402	WO 1997-EP5252	19970924
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9747780	A1	19980417	AU 1997-47780	19970924
EP 929543	A1	19990721	EP 1997-910351	19970924
EP 929543	B1	20011031		
R: DE, FR, GB				
ZA 9708579	A	19980326	ZA 1997-8579	19970925
US 6294504	B1	20010925	US 1999-269453	19990624
PRIORITY APPLN. INFO.:			CH 1996-2359	A 19960926
			WO 1997-EP5252	W 19970924
OTHER SOURCE(S):			MARPAT 128:257333	
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; R1 = H, C1-4 alkyl, NO₂, etc.; R2 = H, halo, CF₃, etc.; R3 = H, halo, C1-4 alkyl; U, V, W and Z = O, S, C(O), etc., with the proviso that at least one of U, V, W or Z = C(O), and one ring member which is adjacent to this or these ring members signifies the group C:CHOC(R4)(R5)C(O)A; and two adjacent ring members U and V, V and W, and W and Z can not simultaneously signify O; R4, R5 = H, C1-8 alkyl; R4R5 = C2-6 alkylene; A = YR7, NR18R19; Y = O, S; R7 = H, C1-8 alkyl, C1-8-haloalkyl, etc.; R18 = H, C1-8 alkyl, Ph, etc.; R19 = H, C1-8 alkyl, C3-6 alkenyl, C3-6 alkynyl; R18R19 = C4-5 alkylene; m = 0-2], useful as antidotes in herbicidal compns. for the control of weeds and grasses in useful plant cultivations, as well as compns. having selective herbicide activity, which contain the compd. I, and as herbicides the compds. of formulas II-VII (wherein W0, R21, Z0, B, n, R22-R24, E, R31-R35, A1, B1, A2, B2, R36, G, R48 and R49 have the significances given in the description), were prepd. Treatment of 3H-2-benzopyran-3-one-1,4-dihydro-4-hydroxymethylene with NaH in DMF followed by addn. of bromoacetic acid Me ester afforded compd. I [R1-R3 = H; U = CH₂; V = O; m = 1; W = C(O); Z = C:CHOCH₂CO₂Me] which showed post-emergent phytotoxic activity of 6 in a nine-stage appraisal scale (1 = complete damage, 9 = no effect) when used as antidote at 250 g/ha in mixt. with clodinafop (5 g/ha) on maize.

IT 205120-99-6P 205121-00-2P 205121-01-3P 205121-08-0P

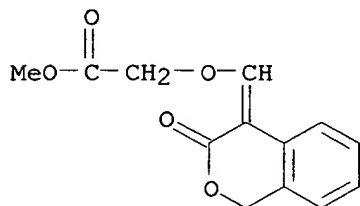
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of heterocyclic compds. as new antidotes in herbicidal compns.)

RN 205120-99-6 CAPLUS

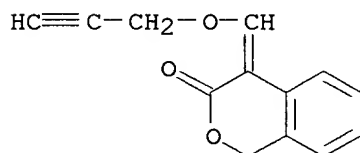
CN Acetic acid, [(3-oxo-1H-2-benzopyran-4(3H)-ylidene)methoxy]-, methyl ester

(9CI) (CA INDEX NAME)



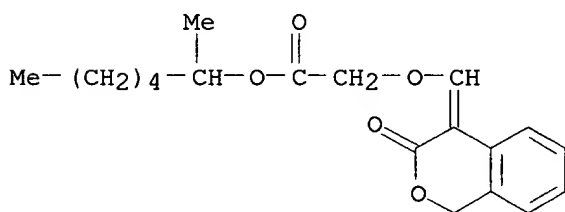
RN 205121-00-2 CAPLUS

CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-[(2-propynyloxy)methylene]- (9CI)
(CA INDEX NAME)



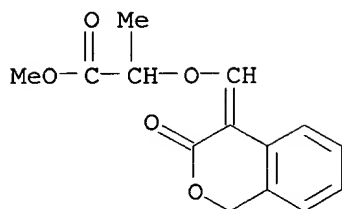
RN 205121-01-3 CAPLUS

CN Acetic acid, [(3-oxo-1H-2-benzopyran-4(3H)-ylidene)methoxy]-, 1-methylhexyl ester (9CI) (CA INDEX NAME)



RN 205121-08-0 CAPLUS

CN Propanoic acid, 2-[(3-oxo-1H-2-benzopyran-4(3H)-ylidene)methoxy]-, methyl ester (9CI) (CA INDEX NAME)



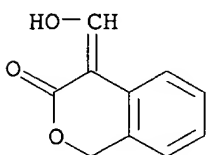
IT 205121-34-2

RL: RCT (Reactant)

(prepn. of heterocyclic compds. as new antidotes in herbicidal compns.)

RN 205121-34-2 CAPLUS

CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-(hydroxymethylene)- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:130095 CAPLUS

DOCUMENT NUMBER: 126:143979

TITLE: Process for producing 2-(halomethyl)phenylacetic acid esters

INVENTOR(S): Hirai, Kenji; Masuda, Katsuyuki; Takao, Yoshihiro; Sugiyama, Masahide; Ono, Yukio; Matsuzawa, Masahumi

PATENT ASSIGNEE(S): Sagami Chemical Research Center, Japan; Ihara Nikkei Chemical Industry Co., Ltd.; Hirai, Kenji; Masuda, Katsuyuki; Takao, Yoshihiro; Sugiyama, Masahide; Ono, Yukio; Matsuzawa, Masahumi

SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

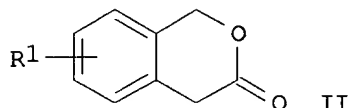
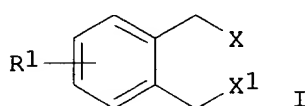
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9700850	A1	19970109	WO 1996-JP1677	19960619
W: CN, KR, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 09067364	A2	19970311	JP 1996-113190	19960410
JP 09278771	A2	19971028	JP 1996-87742	19960410
JP 09278772	A2	19971028	JP 1996-87743	19960410

JP 09328452	A2	19971222	JP 1996-147110	19960610
EP 834497	A1	19980408	EP 1996-918834	19960619
EP 834497	B1	20011024		
R: CH, DE, FR, GB, IT, LI				
CN 1193314	A	19980916	CN 1996-196272	19960619
US 5886211	A	19990323	US 1998-981449	19980318
CN 1328991	A	20020102	CN 2001-104974	20010223

PRIORITY APPLN. INFO.:

JP 1995-176831	A	19950620
JP 1996-113190	A	19960410
JP 1996-87742	A	19960410
JP 1996-87743	A	19960410
JP 1996-147110	A	19960610
WO 1996-JP1677	W	19960619

OTHER SOURCE(S): CASREACT 126:143979; MARPAT 126:143979
GI



AB A process for efficiently and conveniently producing 2-(halomethyl)phenylacetic acid esters (I; X = halo; X1 = CO2R2; wherein R2 = C1-6 alkyl; R1 = H, halo, C1-6 alkyl or alkoxy), which are useful as intermediates in the prodn. of cephalosporins and agricultural fungicides,

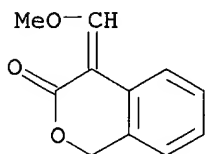
comprises reacting a 3-isochromanone deriv. (II; R1 = same as above) with a hydrogen halide and an alc. or a dihalomethyl alkyl ether followed by the reaction with an alc. R2-OH (R2 = C1-6 alkyl) in the presence of a base. The starting 3-isochromanone deriv. II can be produced in a high yield by reacting an .alpha.,.alpha.'-o-xylylene dihalide deriv. I (X, X1 = halo; R1 = same as above) with carbon monoxide and water in the presence

of a palladium catalyst and an inorg. base in an org. solvent and subsequently treating with an acid. This process gives the title ester with good selectivity and yield and is advantageous for simplification of an app. and purifn. steps and efficient reaction in industrial prodn. Thus, I (X = X1 = Cl, R1 = H) was carboxylated by CO and H2O in the presence of dichlorobis(triphenylphosphine) palladium, Ph3P, and Ca(OH)2 in tert-Bu alc. at CO pressure 1 kg/cm2 G and 70.degree. with stirring

for 7 h to give, after acidification with concd. HCl, 84.7% 3-isochromanone. HCl(g) (65.6 g) was introduced over 6 h into a mixt. of 71.2 g MeOH and 17.8 g 3-isochromanone with vigorous stirring at 10-20.degree. to give 93.8% Me 2-(2-chloromethyl)phenylacetate I (X = Cl, X1 = CO2Me, R1 = H).

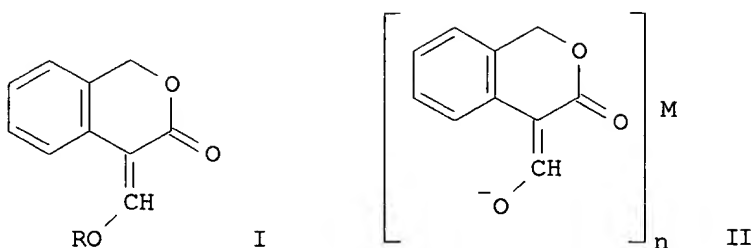
IT **186501-29-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of (halomethyl)phenylacetic acid esters via carbonylation of xylylene dihalide to isochromanone and ring-cleavage halogenation and esterification)

RN 186501-29-1 CAPLUS
 CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-(methoxymethylene)- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1995:995219 CAPLUS
 DOCUMENT NUMBER: 124:86816
 TITLE: Preparation of 4-methylene-2H-chromen-3(4H)-one intermediates useful in preparation of agrochemicals
 INVENTOR(S): Brown, Stephen Martin; Bowden, Martin Charles
 PATENT ASSIGNEE(S): Zeneca Ltd., UK
 SOURCE: PCT Int. Appl., 18 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9525729	A1	19950928	WO 1995-GB500	19950308
W: BR, CA, CN, HU, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2182506	AA	19950928	CA 1995-2182506	19950308
EP 751941	A1	19970108	EP 1995-910640	19950308
EP 751941	B1	19980916		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
HU 74712	A2	19970228	HU 1996-2418	19950308
CN 1144525	A	19970305	CN 1995-192182	19950308
CN 1060167	B	20010103		
BR 9507168	A	19970902	BR 1995-7168	19950308
JP 09511502	T2	19971118	JP 1995-524449	19950308
JP 2960966	B2	19991012		
AT 171174	E	19981015	AT 1995-910640	19950308
ES 2122562	T3	19981216	ES 1995-910640	19950308
US 5663370	A	19970902	US 1996-687547	19960808
CN 1259512	A	20000712	CN 1999-124791	19991130
PRIORITY APPLN. INFO.:			GB 1994-5492	A 19940321
			WO 1995-GB500	W 19950308
OTHER SOURCE(S):			CASREACT 124:86816	
GI				



AB The title compds. (I; R = H, CH₃) (II; M = alkali metal, alk. earth metal;

n = 1, 2) are prepd. and are useful as intermediates for prepg. fungicidal

acrylic ester derivs. (no data). Thus, 3-isochromanone was reacted with NaOMe in dry DMF, and HCO₂Me added, producing I (R = H) in 80% yield.

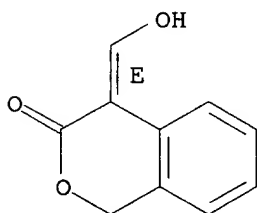
IT 172463-69-3P 172463-70-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. of 4-methylene-2H-chromen-3(4H)-one intermediates useful in
prepn. of agrochems.)

RN 172463-69-3 CAPLUS

CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-(hydroxymethylene)-, (E)- (9CI) (CA
INDEX NAME)

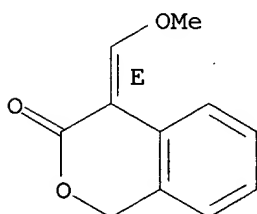
Double bond geometry as shown.

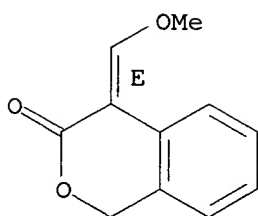


RN 172463-70-6 CAPLUS

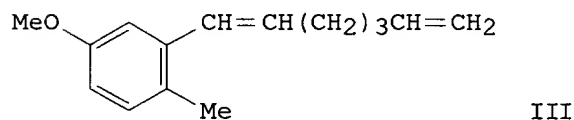
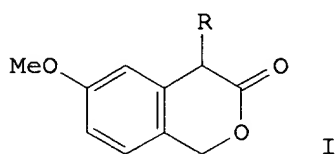
CN 3H-2-Benzopyran-3-one, 1,4-dihydro-4-(methoxymethylene)-, (4E)- (9CI)
(CA
INDEX NAME)

Double bond geometry as shown.





L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1987:196203 CAPLUS
 DOCUMENT NUMBER: 106:196203
 TITLE: Synthesis and flash-vacuum pyrolysis of
 4-alkenylisochroman-3-ones
 AUTHOR(S): Black, Gerald G.; Sainsbury, Malcolm
 CORPORATE SOURCE: Sch. Chem., Univ. Bath, Claverton Down/Bath, BA2 7AY,
 UK
 SOURCE: J. Chem. Res., Synop. (1986), (9), 332-3
 CODEN: JRPSDC; ISSN: 0308-2342
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 106:196203
 GI



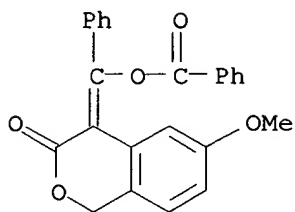
AB Alkylation of the tricarbonylchromium complex of isochromanone I (R = H) with 6-bromo-1-hexene gave 60% I [R=(CH₂)₄CH:CH₂] (II). Flash-vacuum pyrolysis of II gave a mixt. of isomeric dienes III via a quinonedimethide intermediate.

IT **108164-19-8P 108164-20-1P**

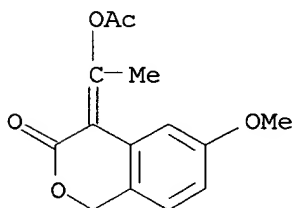
RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 108164-19-8 CAPLUS

CN 3H-2-Benzopyran-3-one, 4-[(benzoyloxy)phenylmethylene]-1,4-dihydro-6-methoxy- (9CI) (CA INDEX NAME)



RN 108164-20-1 CAPLUS

CN 3H-2-Benzopyran-3-one, 4-[1-(acetyloxy)ethylidene]-1,4-dihydro-6-methoxy-
(9CI) (CA INDEX NAME)

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

26.73

167.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

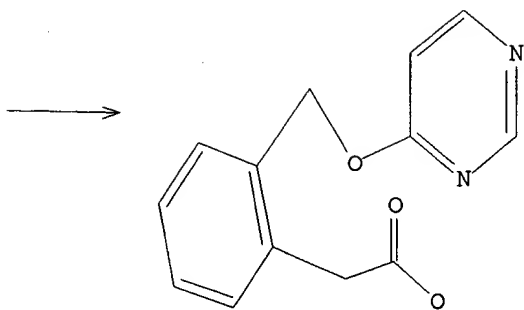
SESSION

CA SUBSCRIBER PRICE

-3.72

-3.72

STN INTERNATIONAL LOGOFF AT 16:11:44 ON 21 MAY 2002



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 16:59:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 17 TO ITERATE

100.0% PROCESSED 17 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 93 TO 587
PROJECTED ANSWERS: 11 TO 389

L2 10 SEA SSS SAM L1

=> file casreact

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.38	0.59

FULL ESTIMATED COST

FILE 'CASREACT' ENTERED AT 17:00:01 ON 21 MAY 2002
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
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FILE CONTENT:1974 - 19 May 2002 VOL 136 ISS 20

Some records from 1974 to 1991 are derived from the ZIC/VINITI data file and provided by InfoChem.

This file contains CAS Registry Numbers for easy and accurate substance identification.

Habte

<05/22/2002

Crossover limits have been increased. See HELP RNCROSSOVER for details.

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

=> s l1

SAMPLE SEARCH INITIATED 17:00:29 FILE 'CASREACT'

SCREENING COMPLETE - 0 REACTIONS TO VERIFY FROM 0 DOCUMENTS

100.0% DONE 0 VERIFIED 0 HIT RXNS 0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED VERIFICATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1 (0 REACTIONS)

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.76	1.35

FILE 'REGISTRY' ENTERED AT 17:01:05 ON 21 MAY 2002
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STRUCTURE FILE UPDATES: 20 MAY 2002 HIGHEST RN 419531-51-4
DICTIONARY FILE UPDATES: 20 MAY 2002 HIGHEST RN 419531-51-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.38	1.73

FILE 'CAPLUS' ENTERED AT 17:01:20 ON 21 MAY 2002
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FILE COVERS 1907 - 21 May 2002 VOL 136 ISS 21
FILE LAST UPDATED: 20 May 2002 (20020520/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	2.13

FILE 'REGISTRY' ENTERED AT 17:01:56 ON 21 MAY 2002
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STRUCTURE FILE UPDATES: 20 MAY 2002 HIGHEST RN 419531-51-4
DICTIONARY FILE UPDATES: 20 MAY 2002 HIGHEST RN 419531-51-4

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s 11 sss full

FULL SEARCH INITIATED 17:02:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 231 TO ITERATE

100.0% PROCESSED 231 ITERATIONS 139 ANSWERS

Habte

<05/22/2002

SEARCH TIME: 00.00.01

L4 139 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

141.04

143.17

FILE 'CAPLUS' ENTERED AT 17:03:42 ON 21 MAY 2002

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FILE COVERS 1907 - 21 May 2002 VOL 136 ISS 21

FILE LAST UPDATED: 20 May 2002 (20020520/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 14

L5 16 L4

=> s 15 and (prep? or synthe?)

L6 13 L5 AND (PREP? OR SYNTHE?)

=> d ibib abs hitstr tot

L6 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:603535 CAPLUS

DOCUMENT NUMBER: 135:180779

TITLE: **Preparation** of (pyrimidinylloxymethyl)phenylacetates by selective O-alkylation

INVENTOR(S): Kawahara, Noriaki

PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001226341	A2	20010821	JP 2000-38154	20000210

OTHER SOURCE(S): CASREACT 135:180779; MARPAT 135:180779

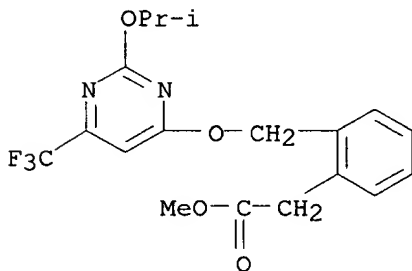
AB Compds. having structure of C(OB):N [B = (un)substituted alkyl, aryl, aralkyl, heterocyclyl] are **prepd.** by reaction of compds. having structure of CONH or C(OH):N with monovalent Cu compds. in the presence of surfactants and reaction of resulting Cu salts with BL (B = same as above;

L = leaving group). 2-Isopropoxy-6-trifluoromethyl-4-pyrimidone was reacted with Cu₂O in the presence of benzyltriethylammonium chloride in PhMe under reflux for 3 h and condensed with Me 2-(2-chloromethylphenyl)acetate in the presence of P(OMe)₃ under reflux for 10 h to give 91.5% Me 2-[2-(2-isopropoxy-6-trifluoromethylpyrimidin-4-yloxymethyl)phenyl]acetate.

IT **240406-34-2P**
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (**prepn.** of (pyrimidinylloxymethyl)phenylacetates by selective O-alkylation of isopropoxypyrimidones)

RN 240406-34-2 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:587250 CAPLUS
 DOCUMENT NUMBER: 135:166836
 TITLE: Selective O-alkylation method
 INVENTOR(S): Sagae, Takahiro
 PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001220382	A2	20010814	JP 2000-35632	20000208

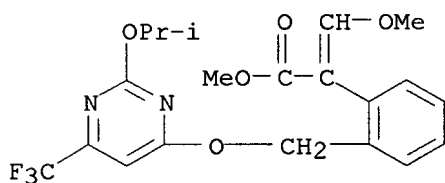
OTHER SOURCE(S): CASREACT 135:166836; MARPAT 135:166836

AB In the process for the **prepn.** of compds. with the ROC:N moiety
 [R = (un)substituted alkyl, etc.] by the reaction of RL [R =
 (un)substituted alkyl, etc.; L = leaving group] with compds. with the
 CONH or HOC:N moiety in an amide solvent contg. an alkali metal carbonate, the
 compds. with the CONH or HOC:N moiety and RL are added to the soln. or
 suspension of the alkali metal carbonate in the amide solvent. Thus, a
 soln. of 2-(2-chloromethylphenyl)-3-methoxyacrylic acid Me ester and
 2-isopropoxy-6-trifluoromethyl-4-hydroxypyrimidine in DMF was added over
 2 h to a soln. of potassium carbonate and potassium iodide in DMF at
 90.degree.; upon completion of said addn., the reaction mixt. was stirred
 at 90.degree. for 4 h to give, after workup,
 3-methoxy-2-[2-(2-isopropoxy-6-trifluoromethylpyrimidin-4-yl)oxy]methyl]phenyl]acrylic acid Me ester in
 62.1% yield.

IT **178813-81-5P**
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
 (Preparation)
 (selective O-alkylation method)

RN 178813-81-5 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-
 (trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA
 INDEX NAME)

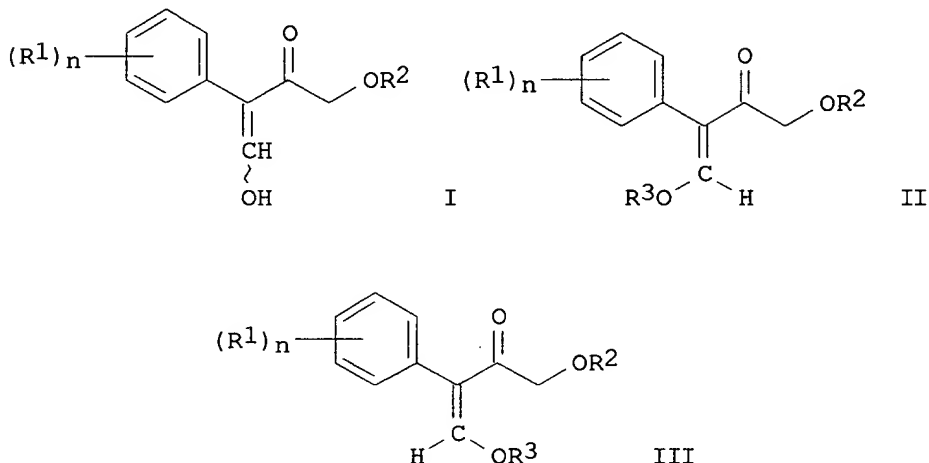


L6 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2001:479772 CAPLUS
 DOCUMENT NUMBER: 135:76887
 TITLE: Stereoselective O-alkylation of .alpha.-
 hydroxymethylene carbonyl compound
 INVENTOR(S): Yakhara, Tomio; Suzuki, Tatsumi; Ozaki, Akira
 PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent

LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001181234	A2	20010703	JP 1999-366629	19991224

OTHER SOURCE(S): MARPAT 135:76887
 GI



AB The E or Z isomer of .alpha.-alkoxymethylene carbonyl compd. (wherein alkoxy carbonyl and alkoxy group are in trans and cis disposition in E and Z isomer, resp.) is stereoselectively **prepd.** by appropriately selecting reaction solvent in O-alkylation of .alpha.-hydroxymethylene carbonyl compd. O-alkylation of .alpha.-hydroxymethylene-.alpha.-phenylacetic acid alkyl ester [I; R1 = NO2, cyano, halo, C1-6 alkyl, C1-6 haloalkyl, C1-6 alkoxy, C1-6 haloalkoxy, C1-6 alkoxy-C1-6 alkoxy, C1-6 alkylthio-C1-6 alkoxy, each (un)substituted C7-12 aralkyl, aryloxy-C1-4 alkyl, or heteroaryloxymethyl; n = 0-4; R2 = (un)substituted C1-6 alkyl] using base and alkylating agent in amide solvent stereoselectively gives (E)-.alpha.-alkoxymethylene-.alpha.-phenylacetic acid alkyl ester (II;

R1,

R2, n = same as above; R3 = C1-6 alkyl), whereas O-alkylation in acetonitrile stereoselectively gives (Z)-isomer (III). Thus, 2 g Me .alpha.-hydroxymethylene-.alpha.-[2-[(2-isopropoxy-6-trifluoromethylpyrimidin-4-yl)oxymethyl]phenyl]acetate (**prepn.** given) was dissolved in 10 mL DMF, followed by adding 0.27 g KOH and then slowly adding 0.82 g di-Me sulfate, and the resulting mixt. was stirred

at

room temp. for 3 h to give 86.5% (E)-Me .alpha.-methoxymethylene-.alpha.-

[2-[(2-isopropoxy-6-trifluoromethylpyrimidin-4-yl)oxymethyl]phenyl]acetate and 10.4% (Z)-isomer. The same O-methylation in MeCN gave 84.1%

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<05/22/2002

(Z)-isomer and 8.7% (E)-isomer. Only the (E)-isomer is useful as an agricultural and horticultural fungicide or insecticide (no data).

IT **229977-93-9P**

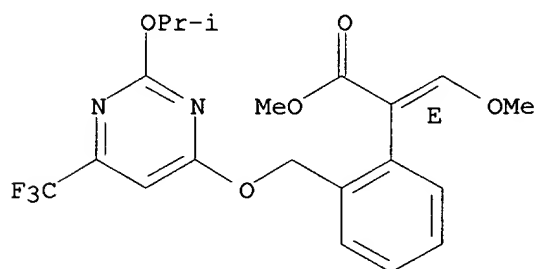
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(stereoselective O-alkylation of .alpha.-hydroxymethylene carbonyl compd. to fungicidal or insecticidal (E)- or (Z)-.alpha.-alkoxymethylene carbonyl compd. in amide solvent or acetonitrile)

RN 229977-93-9 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (.alpha.E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



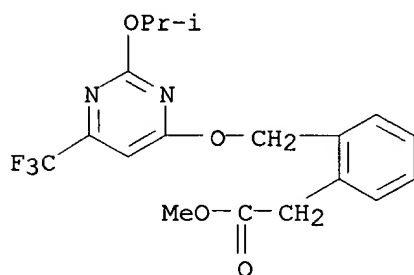
IT **240406-34-2**

RL: RCT (Reactant); RACT (Reactant or reagent)

(stereoselective O-alkylation of .alpha.-hydroxymethylene carbonyl compd. to fungicidal or insecticidal (E)- or (Z)-.alpha.-alkoxymethylene carbonyl compd. in amide solvent or acetonitrile)

RN 240406-34-2 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)

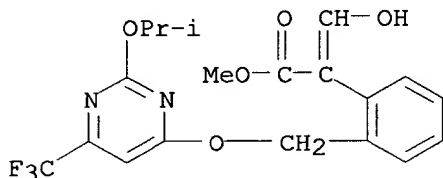


IT **282728-97-6P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

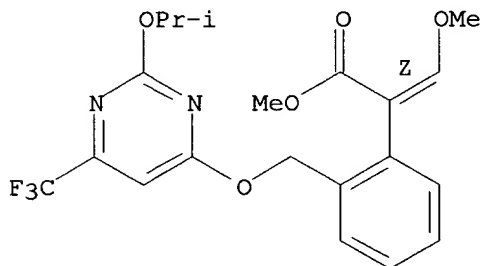
(stereoselective O-alkylation of .alpha.-hydroxymethylene carbonyl

compd. to fungicidal or insecticidal (E)- or (Z)-.alpha.-alkoxymethylene carbonyl compd. in amide solvent or acetonitrile)
 RN 282728-97-6 CAPLUS
 CN Benzeneacetic acid, .alpha.-(hydroxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



IT **282728-98-7P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (stereoselective O-alkylation of .alpha.-hydroxymethylene carbonyl compd. to fungicidal or insecticidal (E)- or (Z)-.alpha.-alkoxymethylene carbonyl compd. in amide solvent or acetonitrile)
 RN 282728-98-7 CAPLUS
 CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (.alpha.Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L6 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2000:475624 CAPLUS
 DOCUMENT NUMBER: 133:104877
 TITLE: Processes for producing acrylic acid derivatives useful as agrochemicals and pharmaceuticals
 INVENTOR(S): Miyazawa, Yasuyuki; Sagae, Takahiro; Ishii, Hiroshi; Yazaki, Hiroyuki; Funabora, Makoto; Takase, Mitsuru; Iiyoshi, Yoshiyuki; Yamazaki, Satoru; Kawahara, Noriaki
 PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan
 SOURCE: PCT Int. Appl., 115 pp.
 CODEN: PIXXD2

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000040537	A1	20000713	WO 1999-JP7397	19991228
W: JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2000191554	A2	20000711	JP 1998-377353	19981229
JP 2000212120	A2	20000802	JP 1999-13759	19990122
JP 2000212122	A2	20000802	JP 1999-14319	19990122
EP 1142857	A1	20011010	EP 1999-961471	19991228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.:

JP 1998-377353	A	19981229
JP 1999-13759	A	19990122
JP 1999-14319	A	19990122
JP 1999-66656	A	19990312
JP 1999-298257	A	19991020
JP 1999-348302	A	19991208
JP 1999-348564	A	19991208
JP 1999-348752	A	19991208
WO 1999-JP7397	W	19991228

OTHER SOURCE(S): CASREACT 133:104877; MARPAT 133:104877

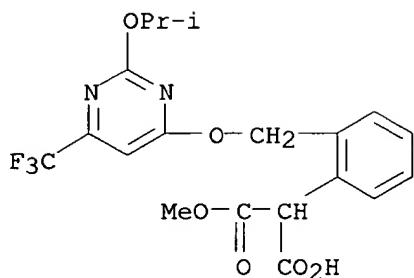
AB Claimed is the **prepn.** of acrylic acid derivs. $R1C(:CHOH)C(:X)R2$ (I) or $R1CH(CHO)C(:X)R2$ [$R1 = (un)substituted\ aryl$, etc.; $X = O$, etc.; $R2 = (un)substituted\ alkoxy$, etc.] by formylation of $R1CH2C(:X)R2$ [$R1, R2, X = as\ defined\ above$] with a formic acid ester or orthoformic acid ester in the presence of a Lewis acid and a base. I are then converted to $R1C(:CHOR3)C(:X)R2$ (II) [$R3 = alkyl$, etc.] , e.g., by treatment with $R3OH$ or with $R3OH$ and $CH(OR3)3$ under acidic conditions. In another process,

II is efficiently produced without isolating I. The title compds. are useful as agrochems. and pharmaceuticals (no data). Thus, a mixt. of tri-Me orthoformate and $TiCl4$ in $CH2Cl2$ was stirred for 1 h and then cooled to 0.degree.; a soln. of Me 2-(chloromethyl)phenylacetate in $CH2Cl2$ was added to said mixt.; 30 min later, a soln. of triethylamine was added to the reaction mixt; the reaction was allowed to proceed for a further 1 h to give Me 2-(2-chloromethylphenyl)-3-hydroxyacrylate in 94% yield.

IT **282728-99-8P**
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (processes for producing acrylic acid derivs. as agrochems. and pharmaceuticals)

RN 282728-99-8 CAPLUS

CN Propanedioic acid, [2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]phenyl]-, monomethyl ester, sodium salt (9CI) (CA INDEX NAME)



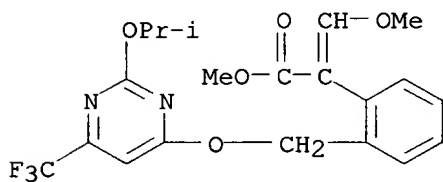
● Na

IT 178813-81-5P 229977-93-9P 282728-97-6P
282728-98-7P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
(Preparation)
(processes for producing acrylic acid derivs. as agrochems. and
pharmaceuticals)

RN 178813-81-5 CAPLUS

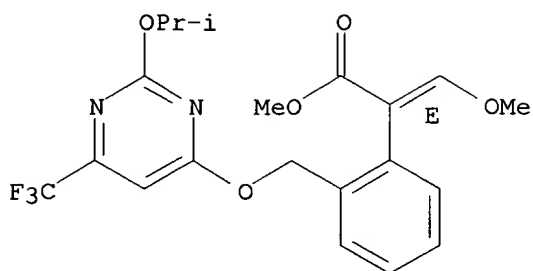
CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 229977-93-9 CAPLUS

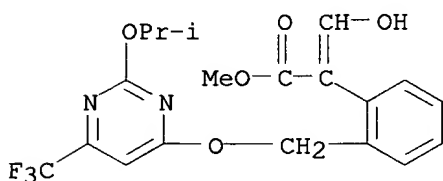
CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (.alpha.E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 282728-97-6 CAPLUS

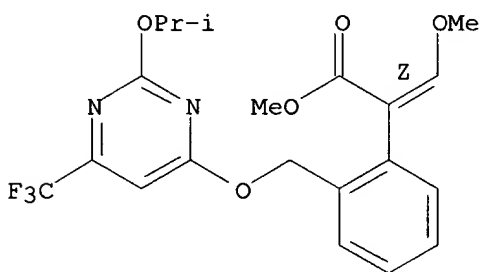
CN Benzeneacetic acid, .alpha.-(hydroxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 282728-98-7 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (.alpha.Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

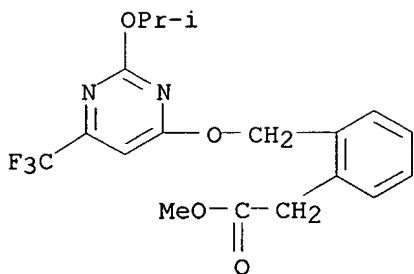


IT 240406-34-2 282729-01-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(processes for producing acrylic acid derivs. as agrochems. and pharmaceuticals)

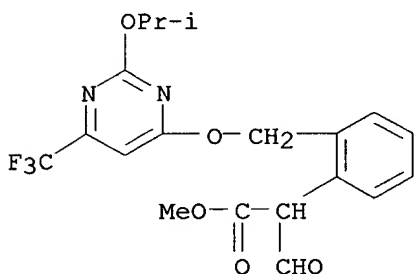
RN 240406-34-2 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 282729-01-5 CAPLUS

CN Benzeneacetic acid, .alpha.-formyl-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L6 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:776155 CAPLUS

DOCUMENT NUMBER: 128:34779

TITLE: **Preparation** of .alpha.-[2-(pyrimidinylloxymethyl)phenyl]acrylates as

agrochemical

fungicides and pesticides

INVENTOR(S):

Rack, Michael; Rohl, Franz; Ammermann, Eberhard; Harries, Volker; Lorenz, Gisela; Strathmann, Siegfried; Grote, Thomas; Grammenos, Wassilios; Kirstgen, Reinhard; Oberdorf, Klaus; Bayer, Herbert; Muller, Bernd; Muller, Ruth; Sauter, Hubert

PATENT ASSIGNEE(S):

Rohl,

BASF Aktiengesellschaft, Germany; Rack, Michael; Franz; Ammermann, Eberhard; Harries, Volker; Lorenz, Gisela; Strathmann, Siegfried; Grote, Thomas; Grammenos, Wassilios; et al.

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<05/22/2002

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

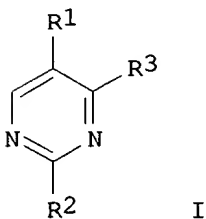
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	WO 9744325	A1	19971127	WO 1997-EP2391	19970509
	W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ,				
TM	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
SE	CA 2255555	AA	19971127	CA 1997-2255555	19970509
	AU 9728956	A1	19971209	AU 1997-28956	19970509
	AU 707053	B2	19990701		
	EP 912524	A1	19990506	EP 1997-923045	19970509
	EP 912524	B1	20020313		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE				
	JP 2000510850	T2	20000822	JP 1997-541467	19970509
	AT 214374	E	20020315	AT 1997-923045	19970509
	ZA 9704409	A	19981228	ZA 1997-4409	19970521
	US 6166026	A	20001226	US 1998-180591	19981112
	KR 2000015882	A	20000315	KR 1998-709433	19981121
PRIORITY APPLN. INFO.:				DE 1996-19620614 A	19960522
				WO 1997-EP2391 W	19970509
OTHER SOURCE(S):	MARPAT 128:34779				
GI					



AB Title compds. [I; R1 = halo or (halo)alkyl; R2 = H, halo, (phenyl)alkyl, etc.; R3 = OCH₂ZC(:CHR)CO₂Me; R = Me or OMe; Z = (un)substituted 1,2-phenylene] were **prepd.** Thus, I (R1 = Me, R2 = Et) (II; R3 = OH) was etherified by 2-(BrH₂C)C₆H₄C(:CHMe)CO₂Me to give II [R3 = OH₂CC₆H₄[C(:CHMe)CO₂Me]-2]. Data for biol. activity of I were given.

IT **199486-11-8P 199486-12-9P 199486-13-0P**
199486-14-1P 199486-15-2P 199486-16-3P
199486-17-4P 199486-18-5P 199486-19-6P

199486-20-9P 199486-21-0P 199486-22-1P

199486-23-2P 199486-24-3P 199486-25-4P

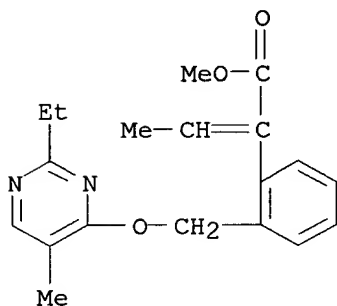
199486-26-5P 199486-27-6P 199486-28-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of .alpha.-[2-(pyrimidinylloxymethyl)phenyl]acrylates as agrochem. fungicides and pesticides)

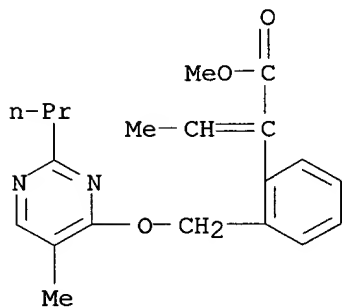
RN 199486-11-8 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[2-ethyl-5-methyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



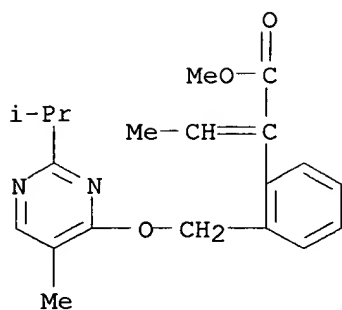
RN 199486-12-9 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[5-methyl-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)

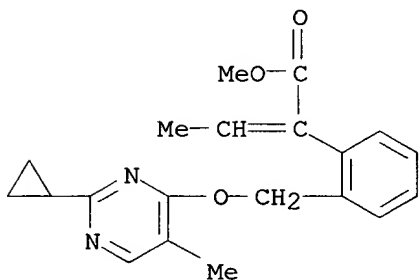


RN 199486-13-0 CAPLUS

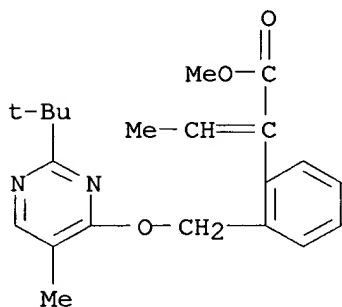
CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[5-methyl-2-(1-methylethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 199486-14-1 CAPLUS
 CN Benzeneacetic acid,
 2-[[[2-(1,1-dimethylethyl)-5-methyl-4-pyrimidinyl]oxy]methyl]-
 .alpha.-ethylidene-, methyl ester (9CI) (CA INDEX NAME)

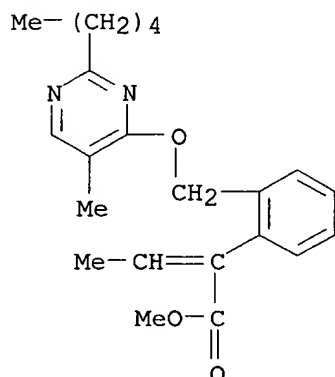


RN 199486-15-2 CAPLUS
 CN Benzeneacetic acid, 2-[[[2-(1,1-dimethylethyl)-5-methyl-4-
 pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester (9CI) (CA
 INDEX NAME)



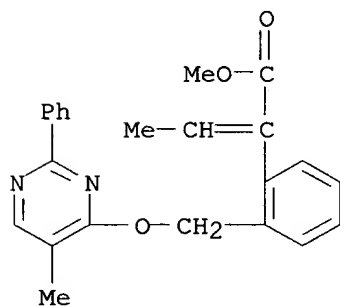
RN 199486-16-3 CAPLUS
 CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[5-methyl-2-pentyl-4-

pyrimidinyl)oxy)methyl]-, methyl ester (9CI) (CA INDEX NAME)



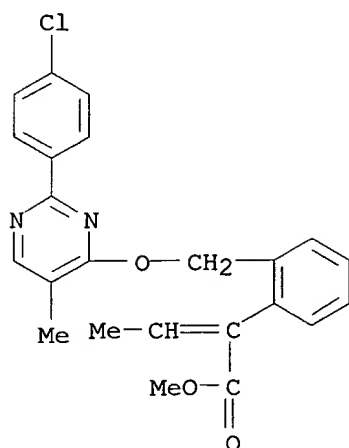
RN 199486-17-4 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[(5-methyl-2-phenyl-4-pyrimidinyl)oxy)methyl]-, methyl ester (9CI) (CA INDEX NAME)



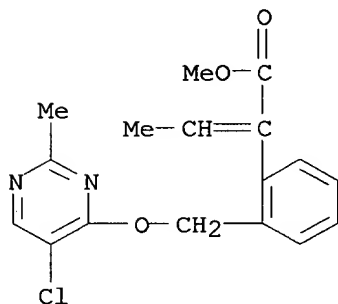
RN 199486-18-5 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(4-chlorophenyl)-5-methyl-4-pyrimidinyl]oxy)methyl]-.alpha.-ethylidene-, methyl ester (9CI) (CA INDEX NAME)



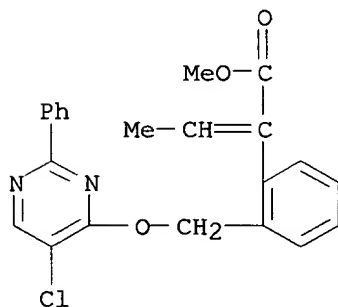
RN 199486-19-6 CAPLUS

CN Benzeneacetic acid, 2-[[[(5-chloro-2-methyl-4-pyrimidinyl)oxy]methyl]-.alpha.-ethylidene-, methyl ester (9CI) (CA INDEX NAME)

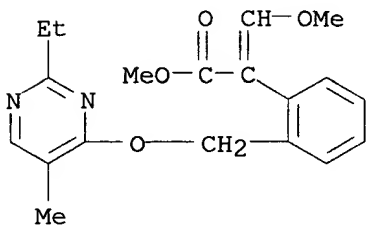


RN 199486-20-9 CAPLUS

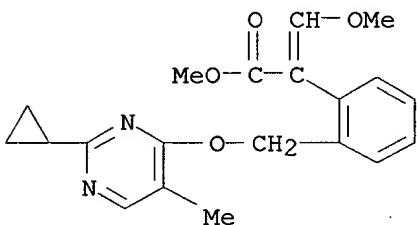
CN Benzeneacetic acid, 2-[[[(5-chloro-2-phenyl-4-pyrimidinyl)oxy]methyl]-.alpha.-ethylidene-, methyl ester (9CI) (CA INDEX NAME)



RN 199486-21-0 CAPLUS

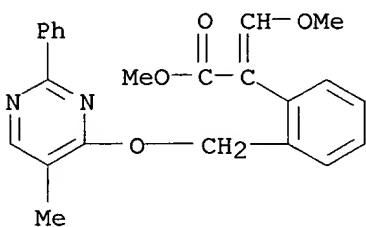
CN Benzeneacetic acid, 2-[[[2-ethyl-5-methyl-4-pyrimidinyl]oxy]methyl]-
.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)

RN 199486-22-1 CAPLUS

CN Benzeneacetic acid,
2-[[[2-cyclopropyl-5-methyl-4-pyrimidinyl]oxy]methyl]-
.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)

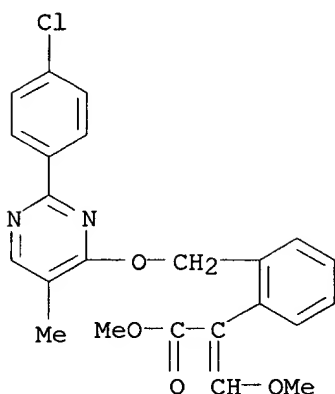
RN 199486-23-2 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[5-methyl-2-phenyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



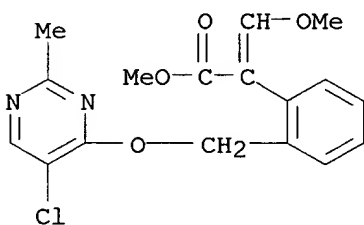
RN 199486-24-3 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(4-chlorophenyl)-5-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



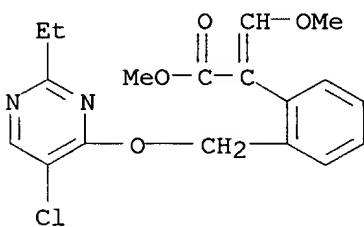
RN 199486-25-4 CAPLUS

CN Benzeneacetic acid, 2-[[[(5-chloro-2-methyl-4-pyrimidinyl)oxy]methyl]-
.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



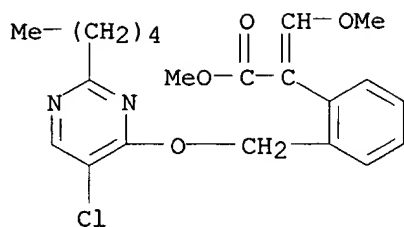
RN 199486-26-5 CAPLUS

CN Benzeneacetic acid, 2-[[[(5-chloro-2-ethyl-4-pyrimidinyl)oxy]methyl]-
.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)

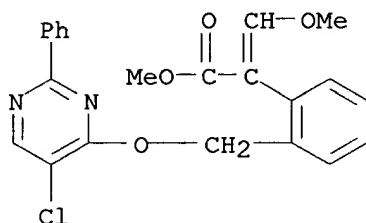


RN 199486-27-6 CAPLUS

CN Benzeneacetic acid, 2-[[[(5-chloro-2-pentyl-4-pyrimidinyl)oxy]methyl]-
.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



RN 199486-28-7 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-phenyl-4-pyrimidinyl]oxy]methyl]-
.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)

L6 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:623155 CAPLUS

DOCUMENT NUMBER: 127:293239

TITLE: Pyrimidyl phenyl and benzyl ethers, process and
intermediate products for their production, and their
use as fungicides and pesticidesINVENTOR(S): Oberdorf, Klaus; Grammenos, Wassilios; Sauter,
Hubert;PATENT ASSIGNEE(S): Grote, Thomas; Muller, Bernd; Kirstgen, Reinhard;
Bayer, Herbert; Ptock, Arne; Rack, Michael; Harreus,
Albrecht; Rohl, Franz; Ammermann, Eberhard; Harries,
Volker; Lorenz, Gisela; Strathmann, Siegfried
BASF Aktiengesellschaft, Germany; Oberdorf, Klaus;
Grammenos, Wassilios; Sauter, Hubert; Grote, Thomas;
Muller, Bernd; Kirstgen, Reinhard; Bayer, Herbert;
Ptock, Arne; et al.

SOURCE: PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9733874	A1	19970918	WO 1997-EP1123	19970306
W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL,				

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<05/22/2002

RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ,
TM
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,
SE

DE 19609618 A1 19970918 DE 1996-19609618 19960312
AU 9720956 A1 19971001 AU 1997-20956 19970306
EP 888311 A1 19990107 EP 1997-906176 19970306

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI

JP 2000506179 T2 20000523 JP 1997-532253 19970306

ZA 9702072 A 19980911 ZA 1997-2072 19970311

US 6153560 A 20001128 US 1998-142687 19980909

PRIORITY APPLN. INFO.:

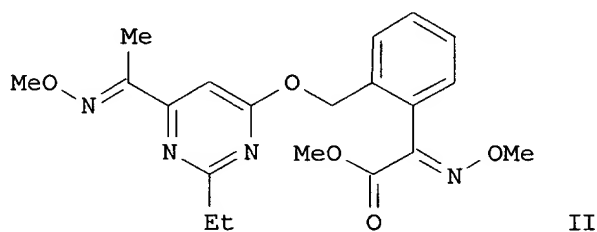
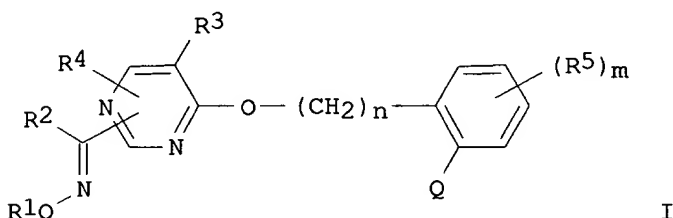
DE 1996-19609618 A 19960312

WO 1997-EP1123 W 19970306

OTHER SOURCE(S):

CASREACT 127:293239; MARPAT 127:293239

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AB Pyrimidyl Ph and benzyl ethers I and their salts and N-oxides are disclosed [in which Q = C(CO₂Me):CHMe, C(CO₂Me):CHOMe, C(CONHMe):CHOMe, C(CONH₂):NOMe, C(CONHMe):NOMe or N(OMe)CO₂Me; n = 0 or 1; R₁ = H, org. radical bonded via a C atom; R₂ = H, cyano, halo, or an org. radical bonded via C, O, S, or N; R₃ = H, halo, alkyl, or haloalkyl; R₄ = H, cyano, nitro, halo, or an org. radical bonded via C, O, S, or N; m = 0-3, where the radicals R₅ may be different if m is 2 or 3; R₅ = cyano, halo, alkyl, haloalkyl, alkoxy], as well as processes and intermediates for their prodn., and their use as pesticides (no data) and fungicides.

Forty

comps. (all with n = 1) were **prepd.** For instance, etherification of 4-hydroxy-2-ethyl-6-acetylpyrimidine with (E)-Me 2-(methoxyimino)-2-[2-(bromomethyl)phenyl]acetate using K₂CO₃ in DMF, followed by oximation of the acetyl group with MeONH₂.HCl in MeOH, gave

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<05/22/2002

title compd. II. In a test against *Plasmopara viticola* on grapevine, II at 250 ppm reduced infection to 15% or less, vs. 80% infection for untreated controls.

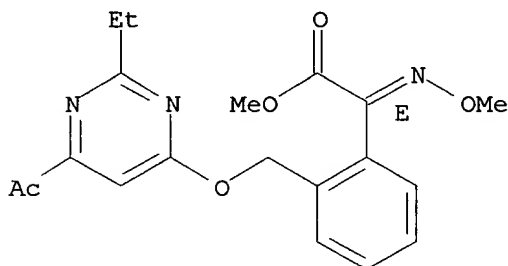
IT **197140-54-8P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (intermediate; **prepn.** of pyrimidyl Ph and benzyl ethers as fungicides and pesticides)

RN 197140-54-8 CAPLUS

CN Benzeneacetic acid, 2-[[[(6-acetyl-2-ethyl-4-pyrimidinyl)oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT **197139-85-8P 197139-88-1P 197139-91-6P**

197139-94-9P 197139-97-2P 197140-00-4P

197140-03-7P 197140-06-0P 197140-09-3P

197140-12-8P 197140-15-1P 197140-18-4P

197140-21-9P 197140-22-0P 197140-25-3P

197140-26-4P 197140-27-5P 197140-28-6P

197140-29-7P 197140-30-0P 197140-31-1P

197140-32-2P 197140-36-6P 197140-38-8P

197140-40-2P 197140-42-4P 197140-44-6P

197140-46-8P 197140-48-0P

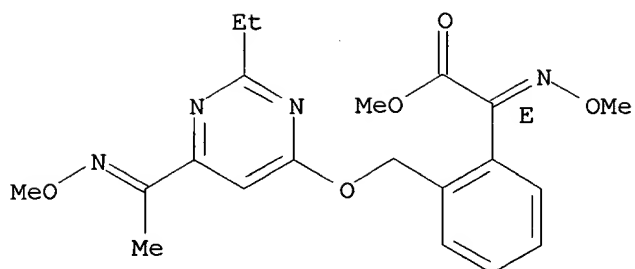
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(**prepn.** of pyrimidyl Ph and benzyl ethers as fungicides and pesticides)

RN 197139-85-8 CAPLUS

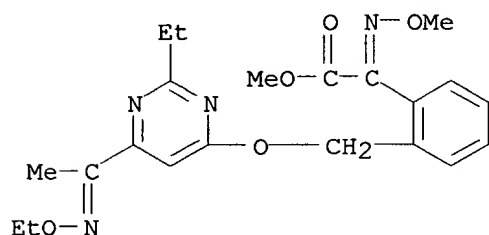
CN Benzeneacetic acid, 2-[[[2-ethyl-6-[1-(methoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E,?)- (9CI) (CA INDEX NAME)

Double bond geometry as described by E or Z.



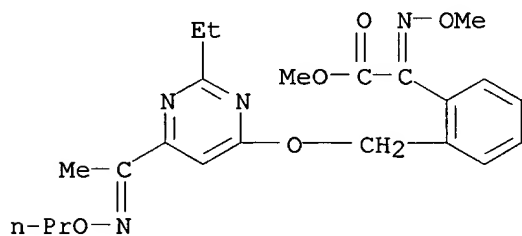
RN 197139-88-1 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(ethoxyimino)ethyl]-2-ethyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



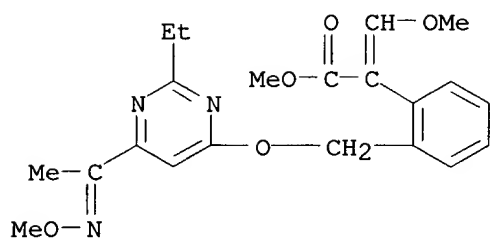
RN 197139-91-6 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethyl-6-[1-(propoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



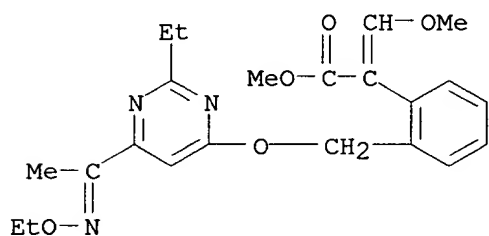
RN 197139-94-9 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethyl-6-[1-(methoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



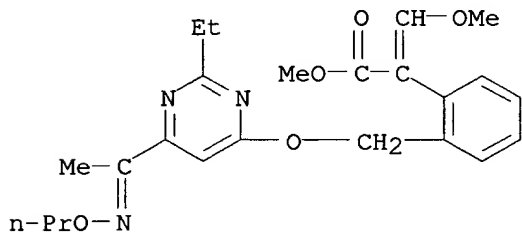
RN 197139-97-2 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(ethoxyimino)ethyl]-2-ethyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



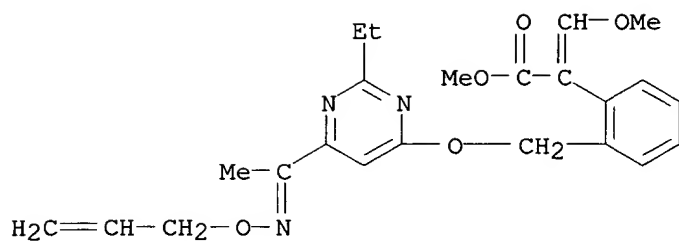
RN 197140-00-4 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethyl-6-[1-(propoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



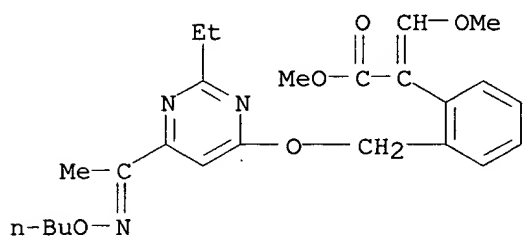
RN 197140-03-7 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethyl-6-[1-[(2-propenyloxy)imino]ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



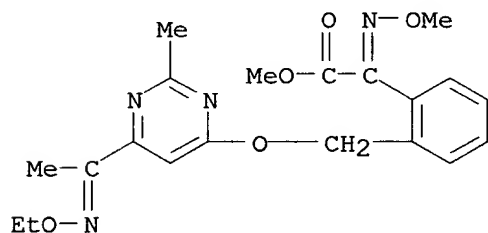
RN 197140-06-0 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(butoxyimino)ethyl]-2-ethyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



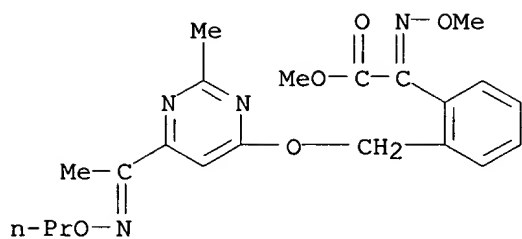
RN 197140-09-3 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(ethoxyimino)ethyl]-2-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



RN 197140-12-8 CAPLUS

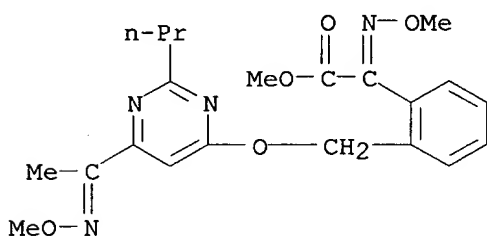
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-methyl-6-[1-(propoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 197140-15-1 CAPLUS

CN Benzeneacetic acid,

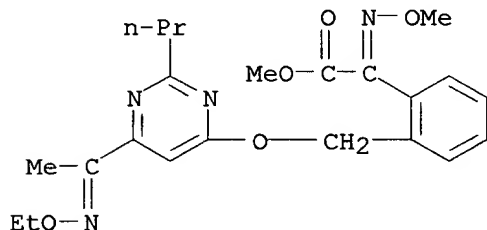
.alpha.-(methoxyimino)-2-[[[6-[1-(methoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 197140-18-4 CAPLUS

CN Benzeneacetic acid,

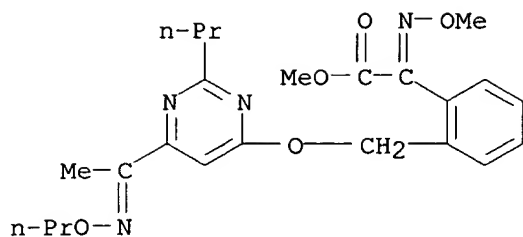
2-[[[6-[1-(ethoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



RN 197140-21-9 CAPLUS

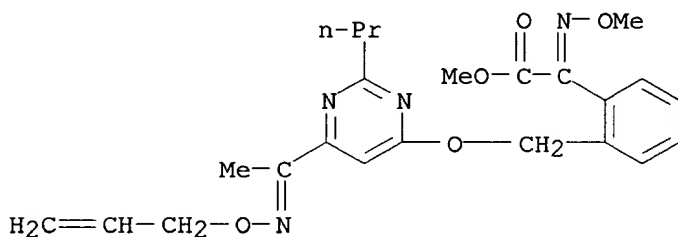
CN Benzeneacetic acid,

.alpha.-(methoxyimino)-2-[[[6-[1-(propoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



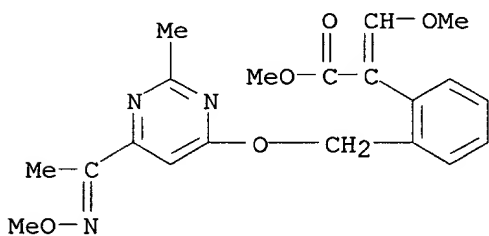
RN 197140-22-0 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[6-[1-[(2-propenyloxy)imino]ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



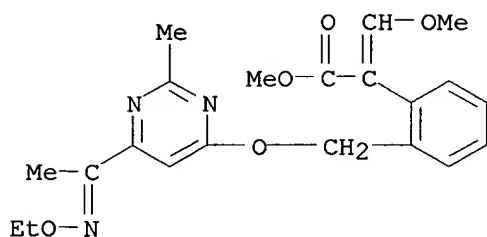
RN 197140-25-3 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(methoxyimino)ethyl]-2-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



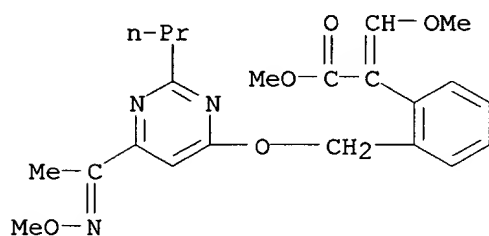
RN 197140-26-4 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(ethoxyimino)ethyl]-2-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



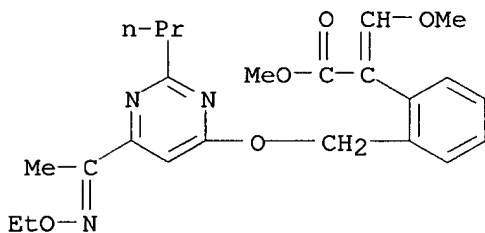
RN 197140-27-5 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(methoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



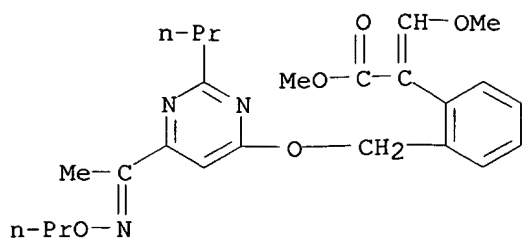
RN 197140-28-6 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(ethoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



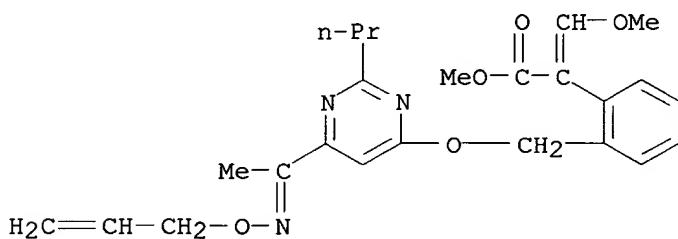
RN 197140-29-7 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[6-[1-(propoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



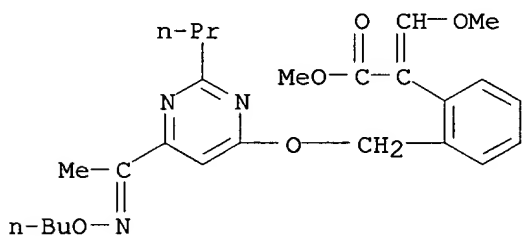
RN 197140-30-0 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[6-[1-[(2-propenyloxy)imino]ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester
(9CI) (CA INDEX NAME)



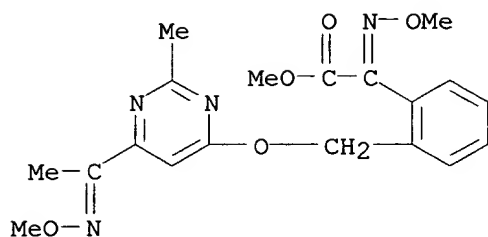
RN 197140-31-1 CAPLUS

CN Benzeneacetic acid, 2-[[[6-[1-(butoxyimino)ethyl]-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI)
(CA INDEX NAME)



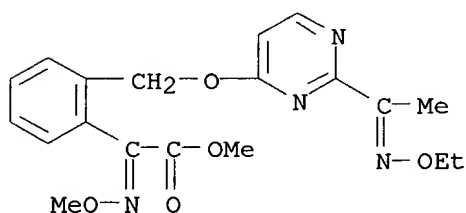
RN 197140-32-2 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[6-[1-(methoxyimino)ethyl]-2-methyl-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



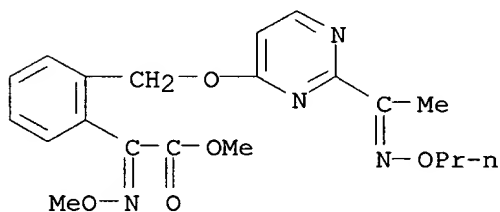
RN 197140-36-6 CAPLUS

CN Benzeneacetic acid, 2-[[[2-[1-(ethoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



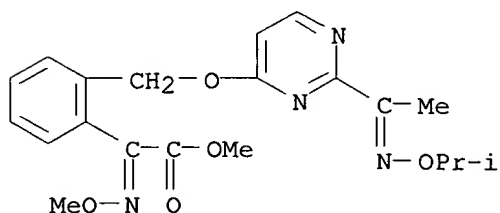
RN 197140-38-8 CAPLUS

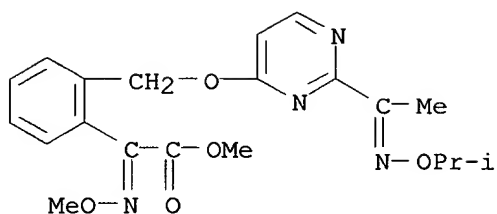
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-[1-(propoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 197140-40-2 CAPLUS

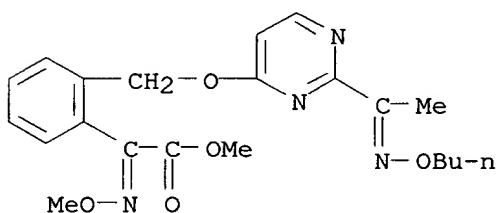
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-[1-(1-methylethoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)





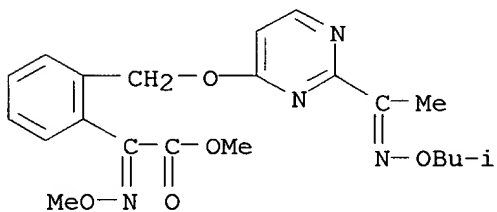
RN 197140-42-4 CAPLUS

CN Benzeneacetic acid, 2-[[[2-[1-(butoxyimino)ethyl]-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



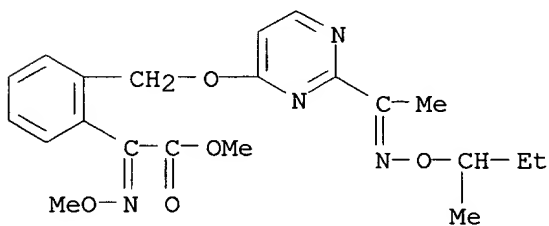
RN 197140-44-6 CAPLUS

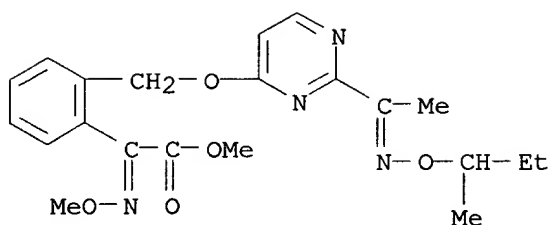
CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-[1-(2-methylpropoxy)imino]ethyl]-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 197140-46-8 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-[1-(1-methylpropoxy)imino]ethyl]-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)

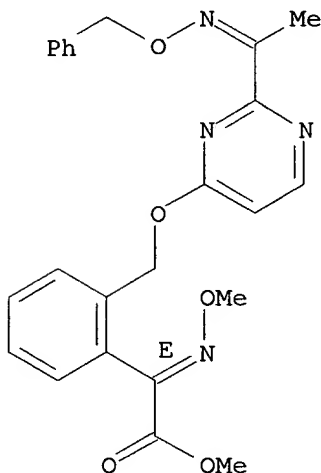




RN 197140-48-0 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-[1-
[(phenylmethoxy)imino]ethyl]-4-pyrimidinyl]oxy]methyl]-, methyl ester,
(?,E)- (9CI) (CA INDEX NAME)

Double bond geometry as described by E or Z.



L6 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:511738 CAPLUS

DOCUMENT NUMBER: 127:121752

TITLE: 2-[o-[(Pyrimidin-4-yl)methoxy]phenyl]acetic acid
derivatives and their use for controlling harmful
fungi and animal pests

INVENTOR(S): Oberdorf, Klaus; Grammenos, Wassilios; Sauter,
Hubert;

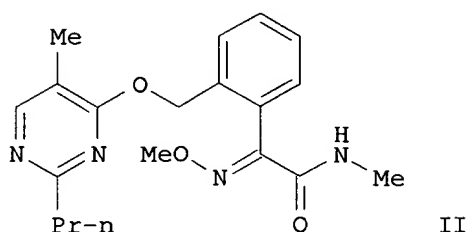
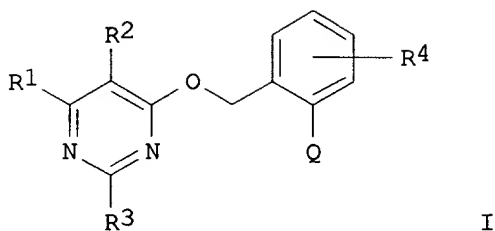
PATENT ASSIGNEE(S): Grote, Thomas; Kirstgen, Reinhard; Muller, Ruth;
Muller, Bernd; Rohl, Franz; Rack, Michael; Bayer,
Herbert; Lorenz, Gisela; Ammermann, Eberhard;
Strathmann, Siegfried; Harries, Volker; et al.
BASF Aktiengesellschaft, Germany; Oberdorf, Klaus;
Grammenos, Wassilios; Sauter, Hubert; Grote, Thomas;
Kirstgen, Reinhard; Muller, Ruth; Muller, Bernd;
Rohl,

Habte

<05/22/2002

SOURCE: Franz
 PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9721686	A1	19970619	WO 1996-EP5523	19961211
W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ,				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,				
DE 19546699	A1	19970619	DE 1995-19546699	19951214
DE 19620392	A1	19971127	DE 1996-19620392	19960521
TW 393300	B	20000611	TW 1996-85115212	19961209
CA 2238989	AA	19970619	CA 1996-2238989	19961211
AU 9712031	A1	19970703	AU 1997-12031	19961211
AU 711072	B2	19991007		
EP 873316	A1	19981028	EP 1996-943079	19961211
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE				
CN 1204324	A	19990106	CN 1996-199003	19961211
BR 9612013	A	19990217	BR 1996-12013	19961211
JP 2000505783	T2	20000516	JP 1997-521733	19961211
ZA 9610512	A	19980615	ZA 1996-10512	19961213
US 6114342	A	20000905	US 1998-77359	19980528
US 6310071	B1	20011030	US 2000-604111	20000626
PRIORITY APPLN. INFO.:			DE 1995-19546699	A 19951214
			DE 1996-19620392	A 19960521
			WO 1996-EP5523	W 19961211
			US 1998-77359	A3 19980528
OTHER SOURCE(S):			MARPAT 127:121752	
GI				



AB Title derivs. I are disclosed, as well as their salts and N-oxides [R1 = H or alkyl; R2 = halo, alkyl, or haloalkyl; R3 = H, OH, SH, halo, phenylalkyl, haloalkyl, alkoxyalkyl, alkoxy, (di)(alkyl)amino, alkylthio, alkylsulfoxy, alkylsulfonyl, cycloalkyl, trialkylsilyloxy, (un)substituted

Ph, PhO, PhOCH₂, PhCH₂O, or heteroaryl; R4 = H, cyano, halo, alkyl, haloalkyl, or alkoxy; Q = C(:NOMe)CONHMe, C(:NOMe)CO₂Me or N(OMe)CO₂Me]. Also disclosed is the use of the compds. for controlling harmful fungi and

animal pests. For instance, etherification of 2-propyl-5-methyl-4-hydroxypyrimidine with (E)-2-(methoxyimino)-2-[2-(bromomethyl)phenyl]acetic acid methylamide (**prepn.** given) in DMF in the presence of K₂CO₃ at 50.degree. gave title compd. II. In a protective test against *Pyricularia oryzae* on rice seedlings, II at 63 ppm

reduced infection to 0-5% of leaf surface, vs. 80% for untreated controls.

IT 192630-94-7P 192630-95-8P 192630-96-9P
192630-97-0P 192630-98-1P 192630-99-2P
192631-01-9P 192631-02-0P 192631-04-2P
192631-07-5P 192631-10-0P 192631-13-3P
192631-16-6P 192631-19-9P 192631-22-4P
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192631-34-8P 192631-37-1P

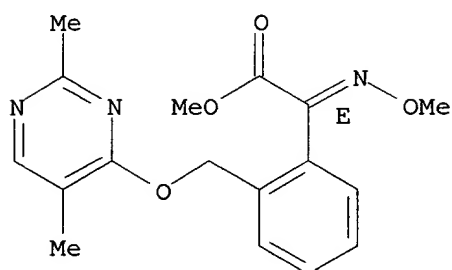
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(**prepn.** of [(pyrimidinyl)methoxy]phenyl]acetic acid derivs. as fungicides and pesticides)

RN 192630-94-7 CAPLUS

CN Benzeneacetic acid, 2-[[[(2,5-dimethyl-4-pyrimidinyl)oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

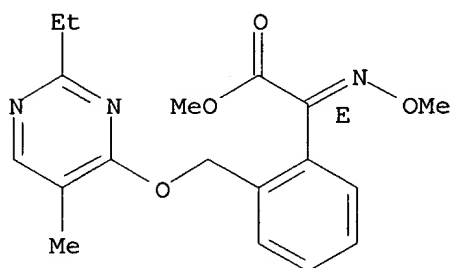
Double bond geometry as shown.



RN 192630-95-8 CAPLUS

CN Benzeneacetic acid, 2-[[2-ethyl-5-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

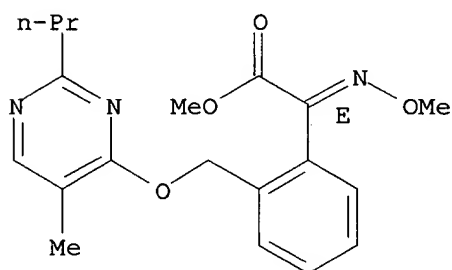
Double bond geometry as shown.



RN 192630-96-9 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[5-methyl-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

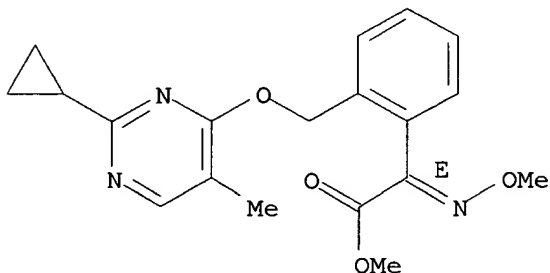


RN 192630-97-0 CAPLUS

CN Benzeneacetic acid, 2-[[2-cyclopropyl-5-methyl-4-pyrimidinyl]oxy]methyl]-

.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

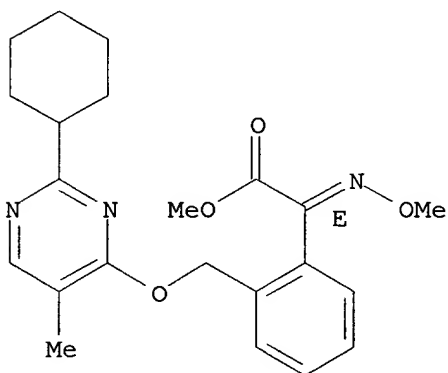
Double bond geometry as shown.



RN 192630-98-1 CAPLUS

CN Benzeneacetic acid, 2-[[[(2-cyclohexyl-5-methyl-4-pyrimidinyl)oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

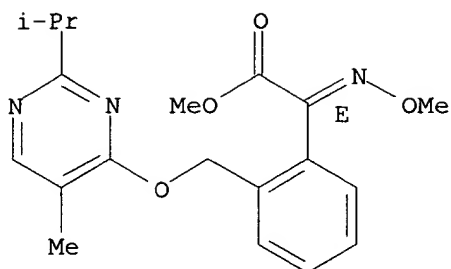
Double bond geometry as shown.



RN 192630-99-2 CAPLUS

CN Benzeneacetic acid,
.alpha.-(methoxyimino)-2-[[[5-methyl-2-(1-methylethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

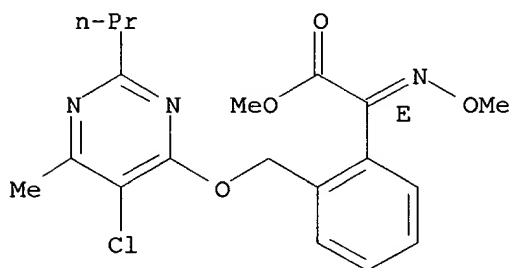
Double bond geometry as shown.



RN 192631-01-9 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-6-methyl-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

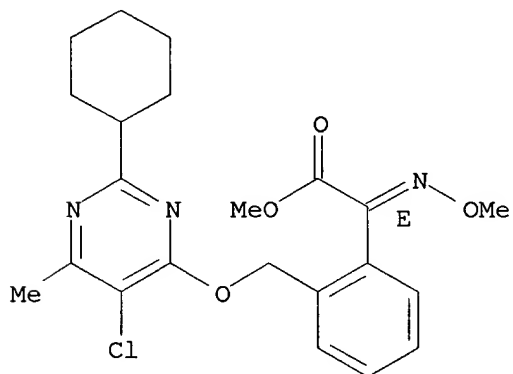
Double bond geometry as shown.



RN 192631-02-0 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-cyclohexyl-6-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



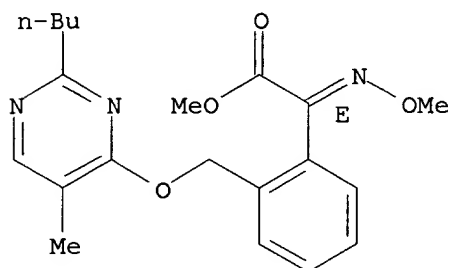
Habte

<05/22/2002

RN 192631-04-2 CAPLUS

CN Benzeneacetic acid, 2-[[(2-butyl-5-methyl-4-pyrimidinyl)oxy]methyl]-
.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

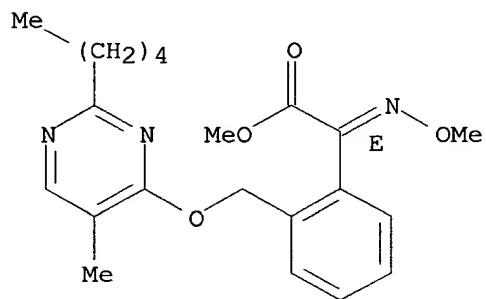
Double bond geometry as shown.



RN 192631-07-5 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[(5-methyl-2-pentyl-4-pyrimidinyl)oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

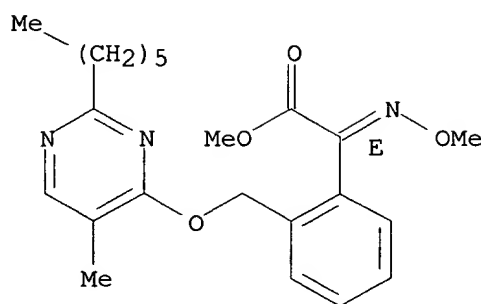
Double bond geometry as shown.



RN 192631-10-0 CAPLUS

CN Benzeneacetic acid, 2-[[(2-hexyl-5-methyl-4-pyrimidinyl)oxy]methyl]-
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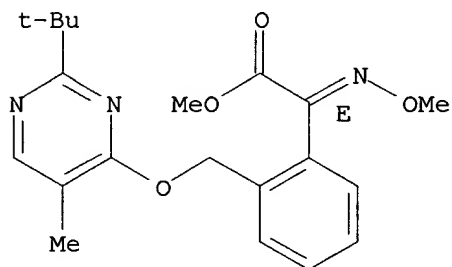
Double bond geometry as shown.



RN 192631-13-3 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(1,1-dimethylethyl)-5-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

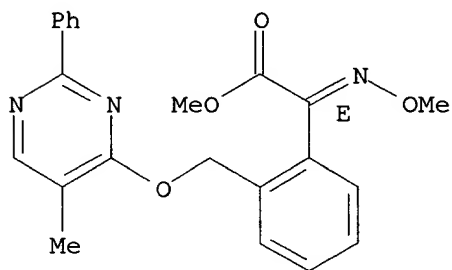
Double bond geometry as shown.



RN 192631-16-6 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[5-methyl-2-phenyl-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

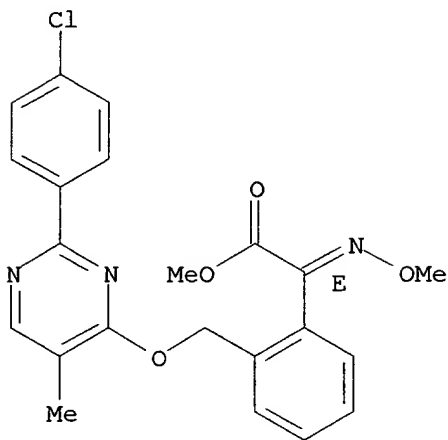


RN 192631-19-9 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(4-chlorophenyl)-5-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI)

(CA INDEX NAME)

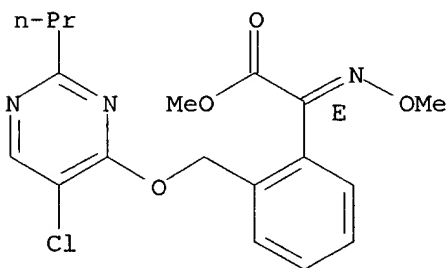
Double bond geometry as shown.



RN 192631-22-4 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-propyl-4-pyrimidinyl)oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

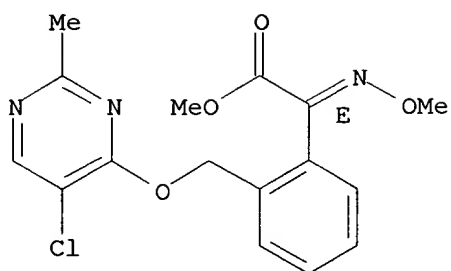
Double bond geometry as shown.



RN 192631-25-7 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-methyl-4-pyrimidinyl)oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

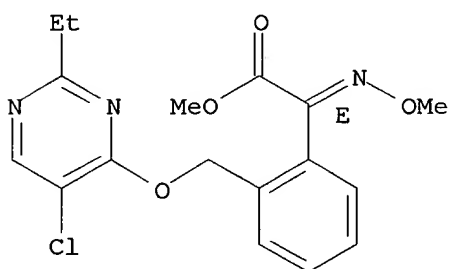
Double bond geometry as shown.



RN 192631-28-0 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-ethyl-4-pyrimidinyl]oxy]methyl]-
.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

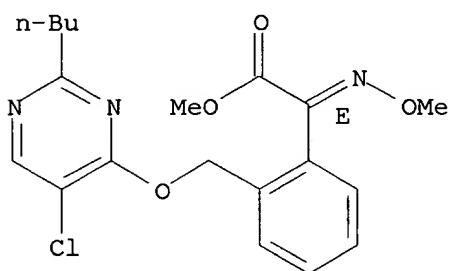
Double bond geometry as shown.



RN 192631-31-5 CAPLUS

CN Benzeneacetic acid, 2-[[[2-butyl-5-chloro-4-pyrimidinyl]oxy]methyl]-
.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

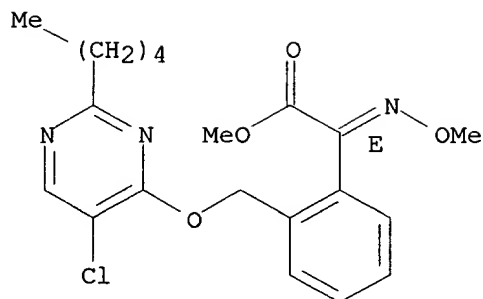
Double bond geometry as shown.



RN 192631-34-8 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-pentyl-4-pyrimidinyl]oxy]methyl]-
.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

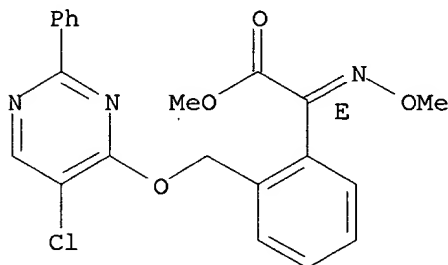
Double bond geometry as shown.



RN 192631-37-1 CAPLUS

CN Benzeneacetic acid, 2-[[(5-chloro-2-phenyl-4-pyrimidinyl)oxy]methyl]-
.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L6 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:473140 CAPLUS

DOCUMENT NUMBER: 125:142758

TITLE: Preparation of [[(alkoxypyrimidinyl)oxy]meth
yl]benzeneacetamides and

[[(alkoxypyrimidinyl)oxy]meth

yl]benzeneacetates as fungicides and insecticides

INVENTOR(S): Kirstgen, Reinhard; Oberdorf, Klaus; Schuetz, Franz;
Theobald, Hans; Harries, Volker

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

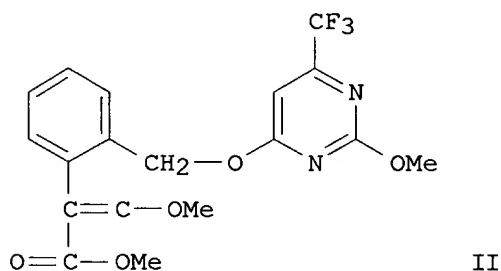
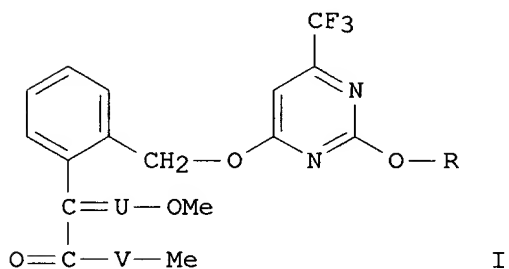
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9616047	A1	19960530	WO 1995-EP4375	19951107

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<05/22/2002

W: AU, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, MX, NO, NZ, PL,
 RU, SG, SK, UA, US
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 DE 4440930 A1 19960523 DE 1994-4440930 19941117
 DE 19526661 A1 19970123 DE 1995-19526661 19950721
 AU 9538714 A1 19960617 AU 1995-38714 19951107
 AU 698417 B2 19981029
 EP 792267 A1 19970903 EP 1995-937877 19951107
 EP 792267 B1 19981014
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE
 BR 9509786 A 19971230 BR 1995-9786 19951107
 JP 10508860 T2 19980902 JP 1995-516501 19951107
 RU 2166500 C2 20010510 RU 1997-110060 19951107
 SK 281783 B6 20010710 SK 1997-576 19951107
 US 5935965 A 19990810 US 1997-836255 19970506
 PRIORITY APPLN. INFO.: DE 1994-4440930 A 19941117
 DE 1995-19526661 A 19950721
 WO 1995-EP4375 W 19951107
 OTHER SOURCE(S): MARPAT 125:142758
 GI



AB The title compds., 2-[[[2-alkoxy-4-(trifluoromethyl)-6-pyrimidinyl]oxy]methyl]benzeneacetamides and 2-[[[2-alkoxy-4-(trifluoromethyl)-6-pyrimidinyl]oxy]methyl]benzeneacetic acid derivs. I
 (U
 = CH, N; V = O, NH; R = alkyl; R1 = cyano, halo, alkyl, alkoxy, Ph, etc.,

N = 0-4) and processes and intermediate products for their prodn. and their use were claimed. I were claimed as insecticides and agrochem. fungicides. An example compd. is .alpha.-(methoxymethylene)-2-[[[2-methoxy-4-(trifluoromethyl)-6-pyrimidinyl]oxy]methyl]benzeneacetic acid

Me

ester (II).

IT **179474-97-6P**

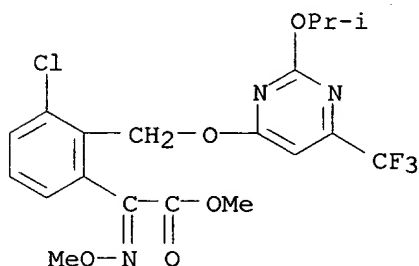
RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(2-((2-alkoxy-6-trifluoromethyl pyrimidine-4-yl)-oxymethylene)-phenyl-acetic acid derivs., processes and intermediate products for their prodn. and their use)

RN 179474-97-6 CAPLUS

CN Benzeneacetic acid, 3-chloro-.alpha.-(methoxyimino)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester

(9CI) (CA INDEX NAME)



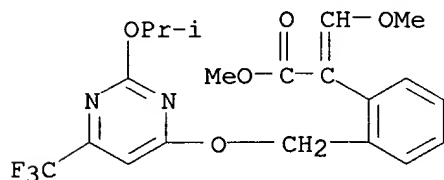
IT **178813-81-5P 178813-82-6P 178813-83-7P**
179474-90-9P 179474-91-0P 179474-92-1P
179474-93-2P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(2-((2-alkoxy-6-trifluoromethyl pyrimidine-4-yl)-oxymethylene)-phenyl-acetic acid derivs., processes and intermediate products for their prodn. and their use)

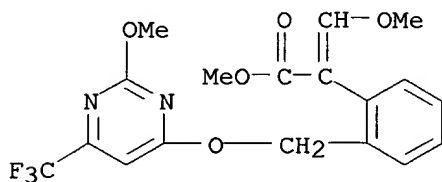
RN 178813-81-5 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



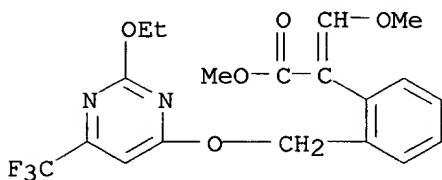
RN 178813-82-6 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-methoxy-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



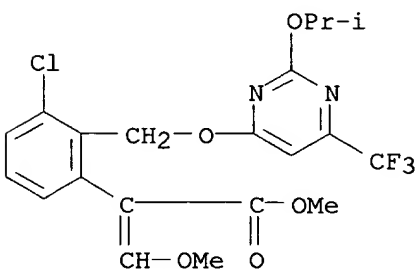
RN 178813-83-7 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethoxy-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



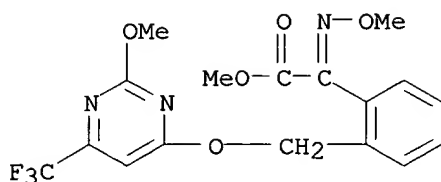
RN 179474-90-9 CAPLUS

CN Benzeneacetic acid, 3-chloro-.alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



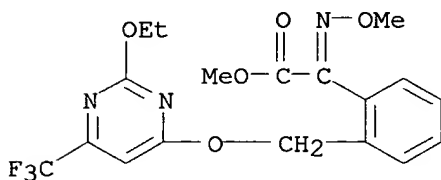
RN 179474-91-0 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-methoxy-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



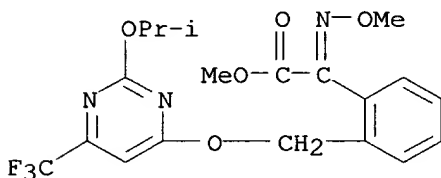
RN 179474-92-1 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethoxy-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester (9CI) (CA INDEX NAME)



RN 179474-93-2 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



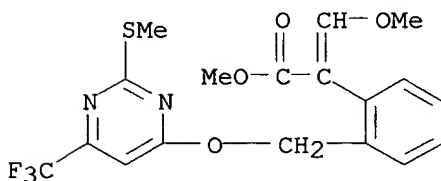
IT **178813-84-8**

RL: RCT (Reactant)

(prepn. of [(alkoxy(trifluoromethyl)pyrimidinyl)oxy]methyl)benzeneacetic acid derivs. as insecticides or agrochem. fungicides)

RN 178813-84-8 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(methylthio)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:437750 CAPLUS

DOCUMENT NUMBER: 125:86669

TITLE: **Preparation** of methyl 2-[[[2-alkoxy-6-trifluoromethylpyrimidin-4-

yl)oxymethylene]phenyl]methoxyacrylate pesticides

INVENTOR(S):

Kirstgen, Reinhard; Oberdorf, Klaus; Schuetz, Franz; Theobald, Hans; Harries, Volker

PATENT ASSIGNEE(S):

BASF A.-G., Germany

SOURCE:

Ger. Offen., 12 pp.

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT: 2

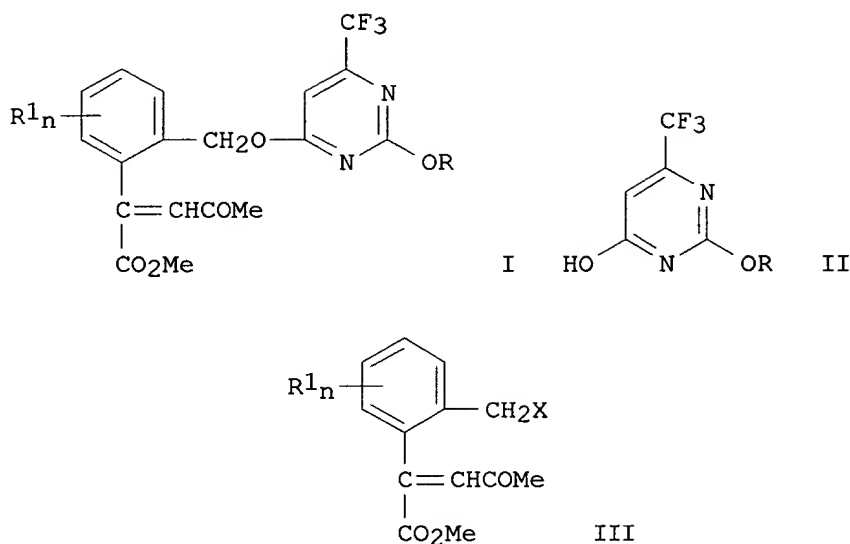
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4440930	A1	19960523	DE 1994-4440930	19941117
CN 1164228	A	19971105	CN 1995-196288	19951106
WO 9616047	A1	19960530	WO 1995-EP4375	19951107
W: AU, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, MX, NO, NZ, PL, RU, SG, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9538714	A1	19960617	AU 1995-38714	19951107
AU 698417	B2	19981029		
EP 792267	A1	19970903	EP 1995-937877	19951107
EP 792267	B1	19981014		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
BR 9509786	A	19971230	BR 1995-9786	19951107
HU 77094	A2	19980302	HU 1997-2012	19951107
HU 215791	B	19990201		
JP 10508860	T2	19980902	JP 1995-516501	19951107
AT 172196	E	19981015	AT 1995-937877	19951107
ES 2124597	T3	19990201	ES 1995-937877	19951107
RU 2166500	C2	20010510	RU 1997-110060	19951107
CZ 288259	B6	20010516	CZ 1997-1466	19951107
SK 281783	B6	20010710	SK 1997-576	19951107
ZA 9509740	A	19970516	ZA 1995-9740	19951116
US <u>5935965</u>	A	19990810	US 1997-836255	19970506
PRIORITY APPLN. INFO.:			DE 1994-4440930 A	19941117
			DE 1995-19526661 A	19950721
			WO 1995-EP4375 W	19951107

OTHER SOURCE(S):

MARPAT 125:86669

GI



AB The title compds. (I; R = alkyl; R1 = CN, halogen, alkyl, haloalkyl, alkoxy, haloalkoxy, Ph; n = 0-4), useful as pesticides and insecticides (no data), are **prepd.** by the condensation-etherification of benzyl derivs. (II; X = nucleophilic leaving group) with hydroxypyrimidines (III). Thus, II (X = Br) was condensed with III (R = CHMe2), producing I (R = CHMe2, R1 = H, n = 1), m.p. 126-127.degree..

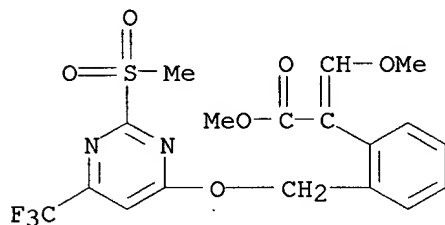
IT **178813-80-4P 178813-81-5P 178813-82-6P**
178813-83-7P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(**prepn.** of Me 2-[[[2-alkoxy-6-trifluoromethylpyrimidin-4-yl]oxymethylene]phenyl]methoxyacrylate pesticides)

RN 178813-80-4 CAPLUS

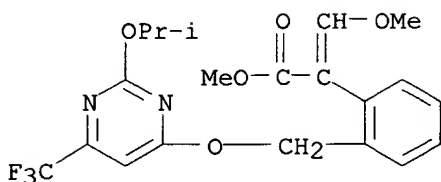
CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(methylsulfonyl)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 178813-81-5 CAPLUS

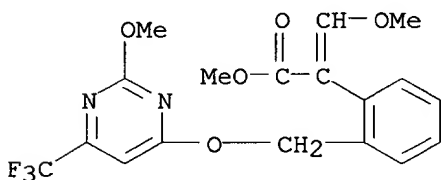
CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(1-methylethoxy)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)

INDEX NAME)



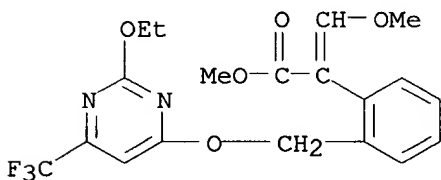
RN 178813-82-6 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-methoxy-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 178813-83-7 CAPLUS

CN Benzeneacetic acid, 2-[[[2-ethoxy-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester (9CI) (CA INDEX NAME)



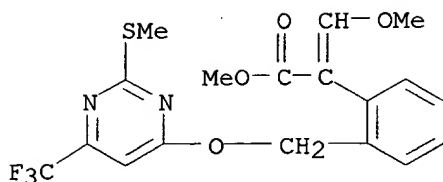
IT 178813-84-8

RL: RCT (Reactant)

(prepn. of Me 2-[[[2-alkoxy-6-trifluoromethylpyrimidin-4-yl]oxymethylene]phenyl]methoxyacrylate pesticides)

RN 178813-84-8 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(methylthio)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:410459 CAPLUS

DOCUMENT NUMBER: 125:86315

TITLE: **Preparation** of alkyl phenylacetate
pesticides and agrochemical fungicidesINVENTOR(S): Oberdorf, Klaus; Sauter, Hubert; Koenig, Hartmann;
Harreus, Albrecht; Mueller, Bernd; Kirstgen,

Reinhard;

Grammenos, Wassilios; Bayer, Herbert; Roehl, Franz;

Et

Al.

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: PCT Int. Appl., 561 pp.

CODEN: PIXXD2

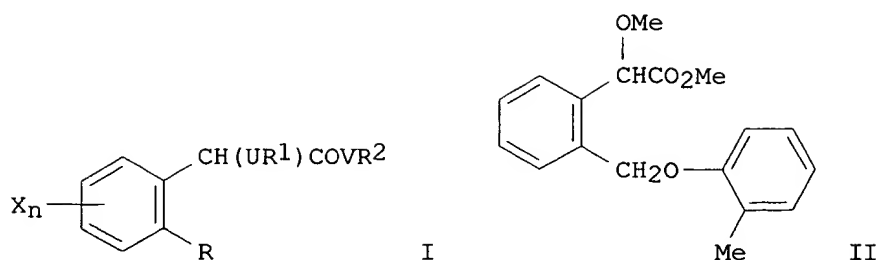
DOCUMENT TYPE: Patent

LANGUAGE: German

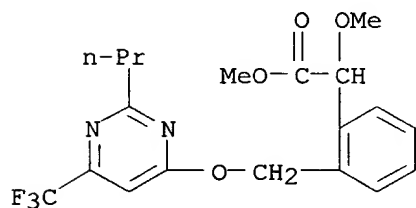
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9607633	A1	19960314	WO 1995-EP3405	19950830
W: AU, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, MX, NO, NZ, PL, RU, SG, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2199422	AA	19960314	CA 1995-2199422	19950830
AU 9533878	A1	19960327	AU 1995-33878	19950830
EP 781266	A1	19970702	EP 1995-930531	19950830
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CN 1161687	A	19971008	CN 1995-195827	19950830
BR 9509004	A	19980602	BR 1995-9004	19950830
JP 10505596	T2	19980602	JP 1995-509172	19950830
ZA 9507545	A	19970310	ZA 1995-7545	19950908
PRIORITY APPLN. INFO.:			DE 1994-4432336	A 19940910
			WO 1995-EP3405	W 19950830
OTHER SOURCE(S):		MARPAT 125:86315		
GI				



- AB The title compds. [I; R = halogen, hydroxy, mercapto, amino, carboxyl, carbonylamino, etc.; R1 = CHO, alkylcarbonyl, alkyl; R2 = alkyl; U = O, S, NH, NHO; V = O, S, NH; X = CN, NO2, halogen, (halo)alkyl, (halo)alkoxy, alkylthio, etc.; n = 0-3], useful as agrochem. fungicides and pesticides, are **prepd.** Thus, Me .alpha.-[2-(2-methylphenoxy)methylene]phenyl]-.alpha.-ketoacetate was reacted with NaBH4 and HCl, , and the intermediate treated with NaH and MeI, producing pesticidal phenylacetate ester II.
- IT **178428-09-6P**
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of alkyl phenylacetate pesticides and agrochem. fungicides)
- RN 178428-09-6 CAPLUS
- CN Benzeneacetic acid, .alpha.-methoxy-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:124559 CAPLUS

DOCUMENT NUMBER: 118:124559

TITLE: **Preparation** of (heterocyclyl)-.alpha.-phenylacrylates as agrochemical fungicides

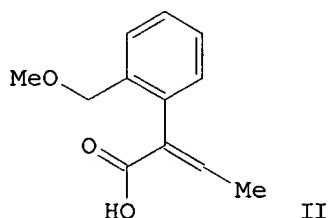
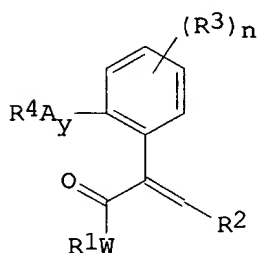
INVENTOR(S): Grammenos, Wassilios; Kirstgen, Reinhard; Oberdorf, Klaus; Sauter, Hubert; Roehl, Franz; Otter, Rainer; Ammermann, Eberhard; Lorenz, Gisela; Kardorff, Uwe; Kuenast, Christoph

PATENT ASSIGNEE(S): BASF A.-G., Germany

SOURCE: Eur. Pat. Appl., 190 pp.
 CODEN: EPXXDW

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 513580	A2	19921119	EP 1992-107059	19920424
EP 513580	A3	19930331		
EP 513580	B1	19961023		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, SE				
DE 4116090	A1	19921119	DE 1991-4116090	19910517
AT 144502	E	19961115	AT 1992-107059	19920424
ES 2094842	T3	19970201	ES 1992-107059	19920424
JP 05213815	A2	19930824	JP 1992-111088	19920430
JP 3234274	B2	20011204		
IL 101740	A1	19970610	IL 1992-101740	19920430
CA 2068017	AA	19921118	CA 1992-2068017	19920505
AU 9216268	A1	19921119	AU 1992-16268	19920515
AU 648664	B2	19940428		
HU 61435	A2	19930128	HU 1992-1631	19920515
HU 213444	B	19970630		
ZA 9203534	A	19931115	ZA 1992-3534	19920515
US 5298527	A	19940329	US 1993-103154	19930809
US 5416068	A	19950516	US 1994-176649	19940103
PRIORITY APPLN. INFO.:			DE 1991-4116090	A 19910517
			US 1992-878295	B1 19920506
			US 1993-103154	A3 19930809
OTHER SOURCE(S):			MARPAT 118:124559	
GI				



AB Title compds. [I; n = 0-4; yl = 0, 1; R1 = H, (halo-substituted) alkyl, alkenyl, alkynyl, cycloalkyl, vinyl, ethynyl; R2 = cyano, alkenyl, alkynyl, (substituted) cycloalkyl, heterocyclyl, alkyl; R3 = H, NO2, cyano, halo, (halo)alkyl, (halo)alkoxy, (halo)alkylthio; 2 adjacent R3's =

R4 = H, CHO, (substituted) alkyl, alkenyl, alkynyl, (unsatd.) carbocyclyl,

heterocyclcyl, aryl, etc.; W = bond, O, S, imino; A = O, CO, O2C, S, SO, SO2, alkenylene, alkynylene, alkylene, imino, carbonylimino, N:N, etc.], were **prepd.** Thus, Ph3PEtBr, Me 2-methoxymethylphenylglyoxylate (**prepn.** given), and KOCMe3 were stirred in THF at 5-25.degree. to give a mixt. of olefins which was sapond. with aq. KOH to give title compd. II. Numerous I as 250 ppm sprays reduced infestation of grape plants by Plasmopara viticola to 0-15%, vs. 70% for untreated controls.

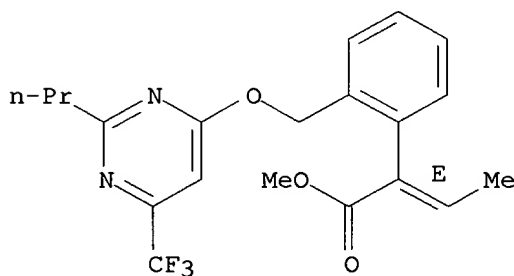
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 145911-04-2P 145911-75-7P 145911-76-8P
 145911-78-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (**prepn.** of, as pesticide)

RN 145910-10-7 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

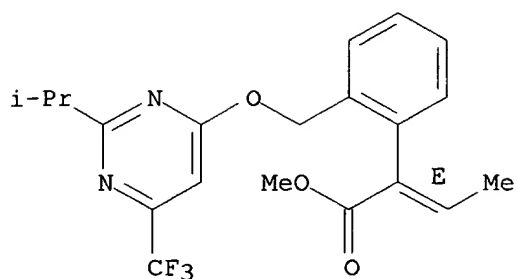
Double bond geometry as shown.



RN 145910-11-8 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[2-(1-methylethyl)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

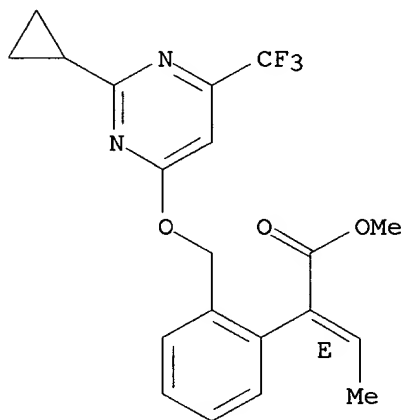


RN 145910-12-9 CAPLUS

CN Benzeneacetic acid, 2-[[[2-cyclopropyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA INDEX NAME)

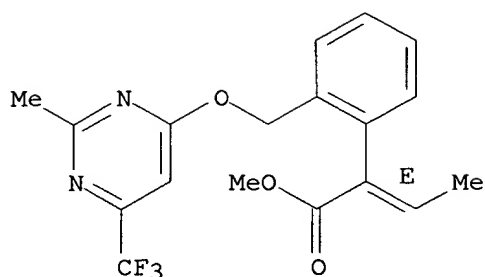
Double bond geometry as shown.



RN 145910-13-0 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[2-methyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

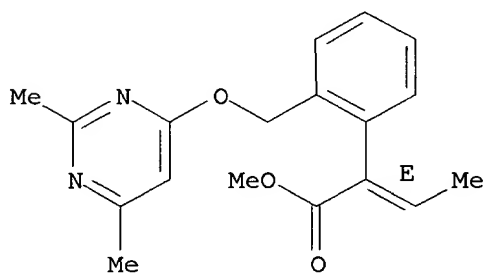
Double bond geometry as shown.



RN 145910-14-1 CAPLUS

CN Benzeneacetic acid, 2-[[2,6-dimethyl-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI) (CA INDEX NAME)

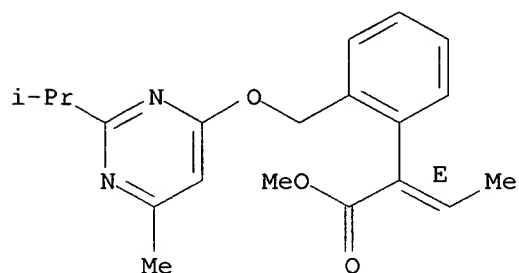
Double bond geometry as shown.



RN 145910-15-2 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[6-methyl-2-(1-methylethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

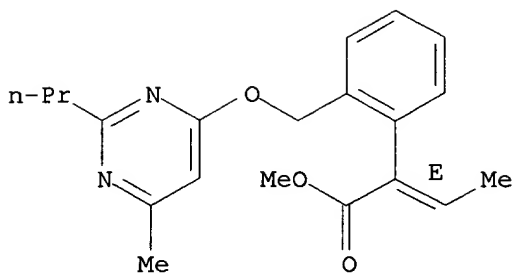
Double bond geometry as shown.



RN 145910-24-3 CAPLUS

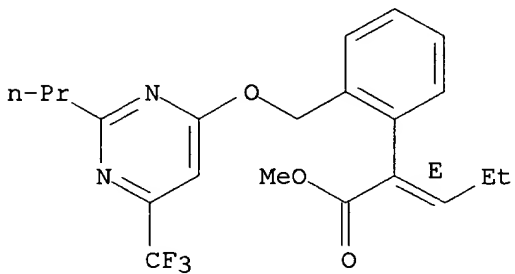
CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[6-methyl-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



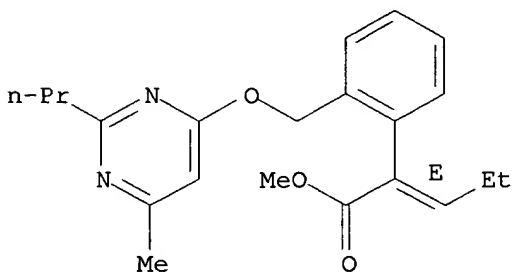
RN 145910-28-7 CAPLUS
 CN Benzeneacetic acid, .alpha.-propylidene-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 145910-29-8 CAPLUS
 CN Benzeneacetic acid, 2-[[[6-methyl-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-propylidene-, methyl ester, (E)- (9CI) (CA INDEX NAME)

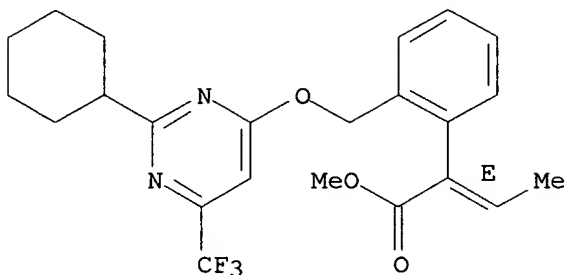
Double bond geometry as shown.



RN 145910-34-5 CAPLUS
 CN Benzeneacetic acid, 2-[[[2-cyclohexyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)
 (CA

INDEX NAME)

Double bond geometry as shown.



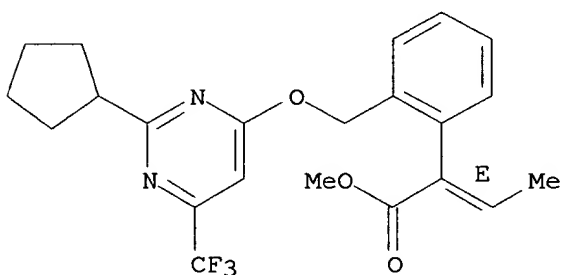
RN 145910-35-6 CAPLUS

CN Benzeneacetic acid, 2-[[[2-cyclopentyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA

INDEX NAME)

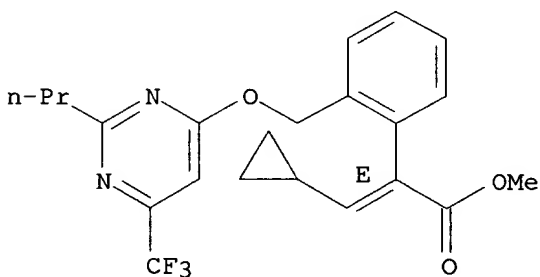
Double bond geometry as shown.



RN 145910-58-3 CAPLUS

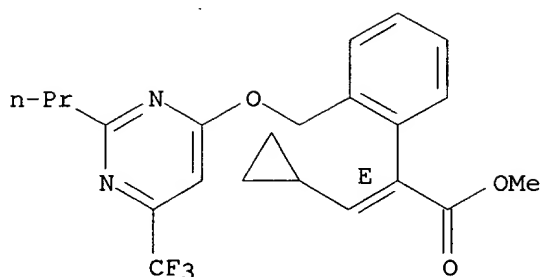
CN Benzeneacetic acid, .alpha.-(cyclopropylmethylene)-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



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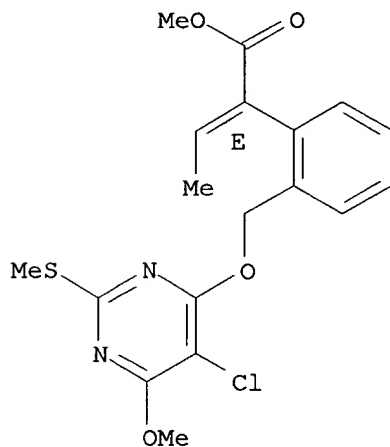
RN 145910-59-4 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-6-methoxy-2-(methylthio)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA

INDEX NAME)

Double bond geometry as shown.



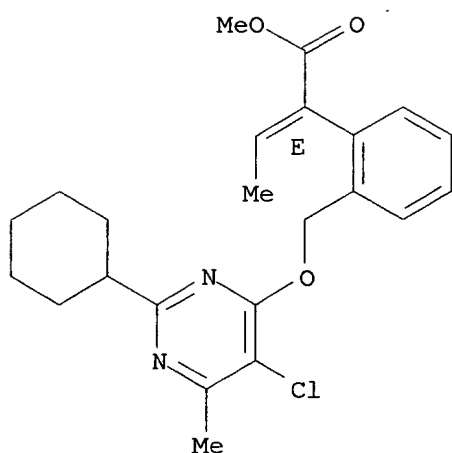
RN 145910-60-7 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-cyclohexyl-6-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA

INDEX NAME)

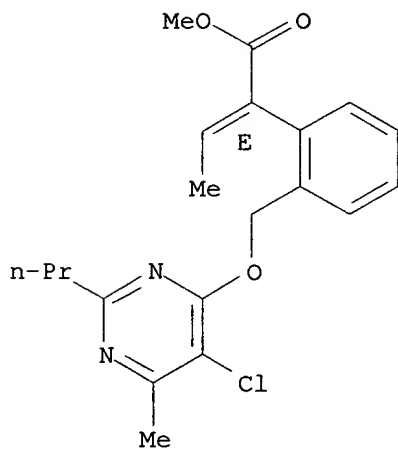
Double bond geometry as shown.



RN 145910-61-8 CAPLUS

CN Benzenecetic acid, 2-[[[5-chloro-6-methyl-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

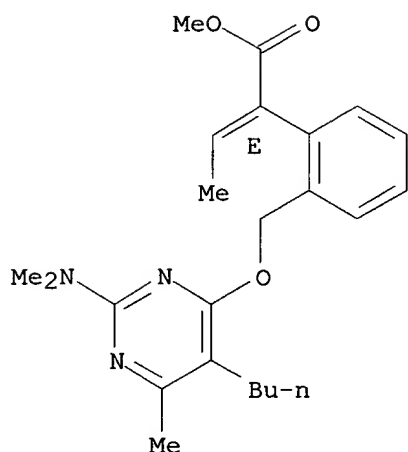
Double bond geometry as shown.



RN 145910-63-0 CAPLUS

CN Benzenecetic acid, 2-[[[5-butyl-2-(dimethylamino)-6-methyl-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

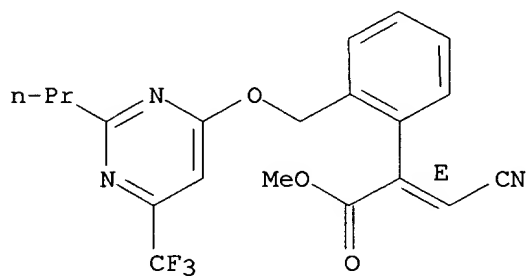
Double bond geometry as shown.



RN 145910-66-3 CAPLUS

CN Benzeneacetic acid, .alpha.-(cyanomethylene)-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

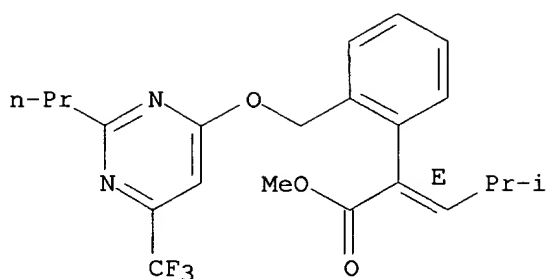
Double bond geometry as shown.



RN 145910-82-3 CAPLUS

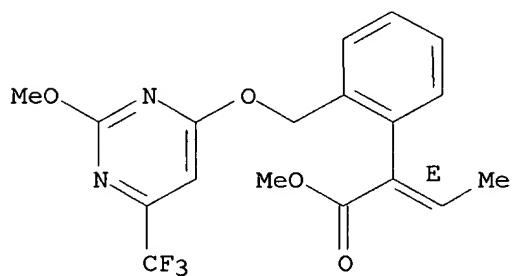
CN Benzeneacetic acid, .alpha.-(2-methylpropylidene)-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



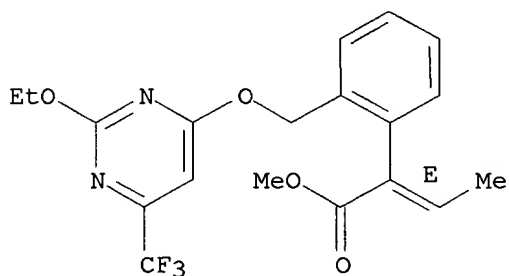
RN 145910-84-5 CAPLUS
 CN Benzeneacetic acid,
 .alpha.-ethylidene-2-[[[2-methoxy-6-(trifluoromethyl)-
 4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 145910-85-6 CAPLUS
 CN Benzeneacetic acid, 2-[[[2-ethoxy-6-(trifluoromethyl)-4-
 pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)
 (CA INDEX NAME)

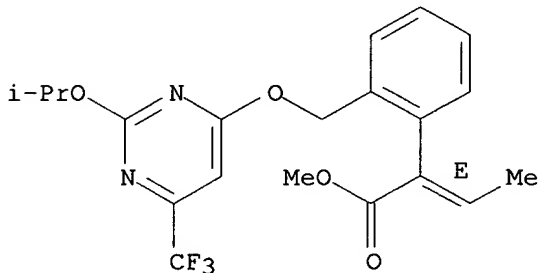
Double bond geometry as shown.



RN 145910-86-7 CAPLUS
 CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[2-(1-methylethoxy)-6-

(trifluoromethyl)-4-pyrimidinyl]oxy)methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.

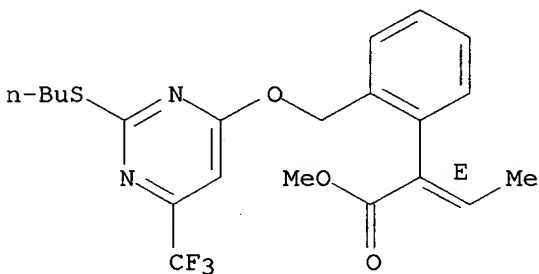


RN 145910-87-8 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(butylthio)-6-(trifluoromethyl)-4-pyrimidinyl]oxy)methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA
INDEX NAME)

Double bond geometry as shown.

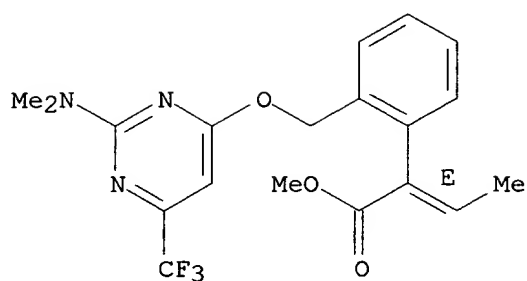


RN 145910-88-9 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(dimethylamino)-6-(trifluoromethyl)-4-pyrimidinyl]oxy)methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA
INDEX NAME)

Double bond geometry as shown.



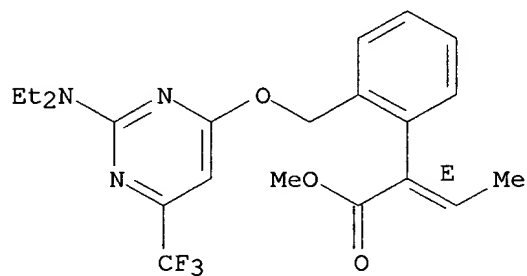
RN 145910-89-0 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(diethylamino)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA

INDEX NAME)

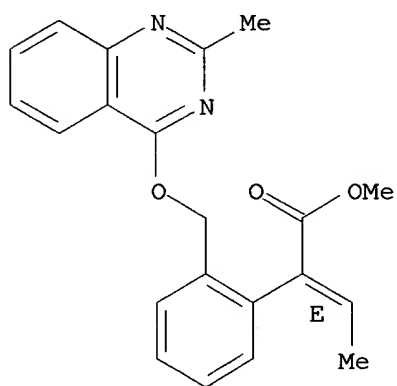
Double bond geometry as shown.



RN 145910-90-3 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[2-methyl-4-quinazolinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

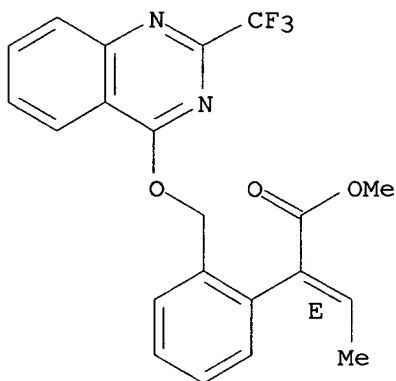
Double bond geometry as shown.



RN 145910-92-5 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[2-(trifluoromethyl)-4-quinazolinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

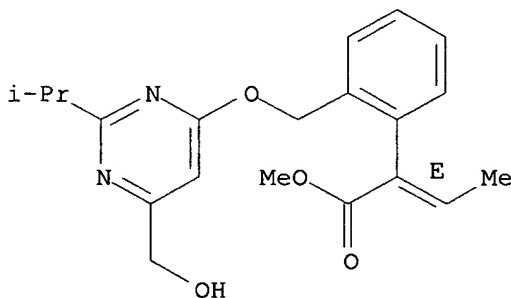
Double bond geometry as shown.



RN 145910-93-6 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[6-(hydroxymethyl)-2-(1-methylethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

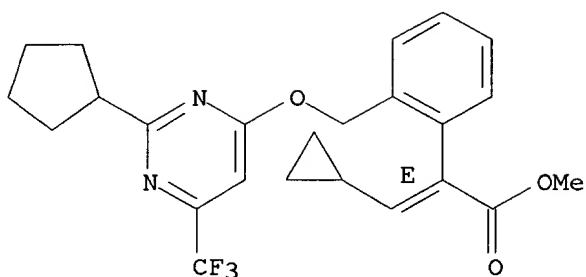
Double bond geometry as shown.



RN 145910-94-7 CAPLUS

CN Benzeneacetic acid, 2-[[[2-cyclopentyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(cyclopropylmethylene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

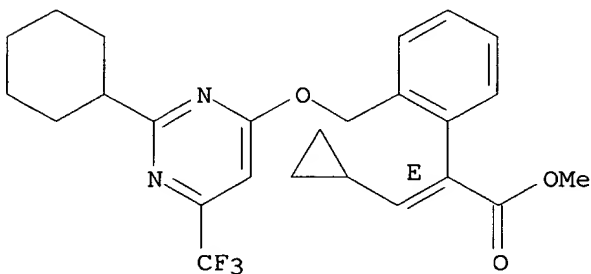
Double bond geometry as shown.



RN 145910-95-8 CAPLUS

CN Benzeneacetic acid, 2-[[[2-cyclohexyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(cyclopropylmethylene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

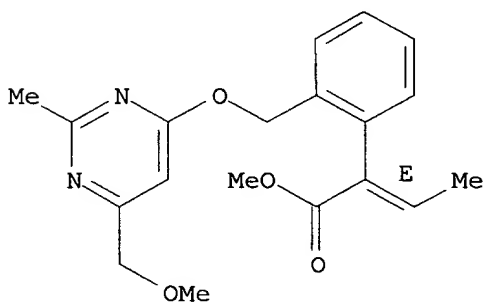
Double bond geometry as shown.



RN 145910-98-1 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[6-(methoxymethyl)-2-methyl-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

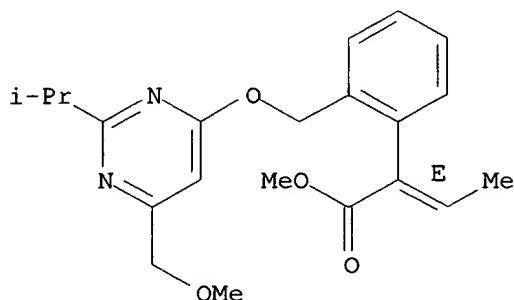


RN 145910-99-2 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[[6-(methoxymethyl)-2-(1-methylethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

INDEX NAME)

Double bond geometry as shown.



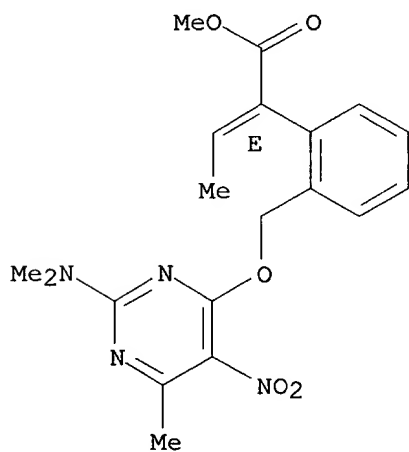
RN 145911-02-0 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(dimethylamino)-6-methyl-5-nitro-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA

INDEX NAME)

Double bond geometry as shown.

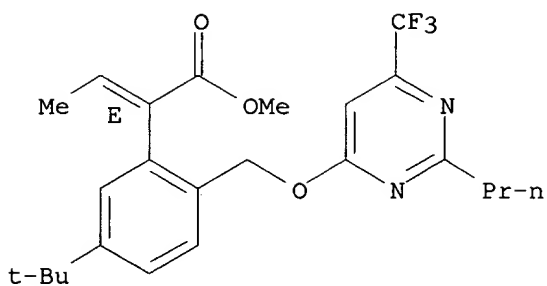


RN 145911-03-1 CAPLUS

CN Benzeneacetic acid,

5-(1,1-dimethylethyl)-.alpha.-ethylidene-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.

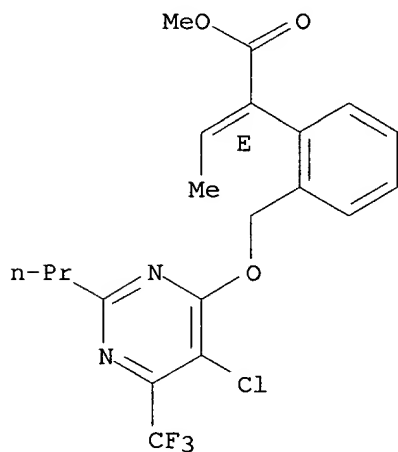


RN 145911-04-2 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA INDEX NAME)

Double bond geometry as shown.

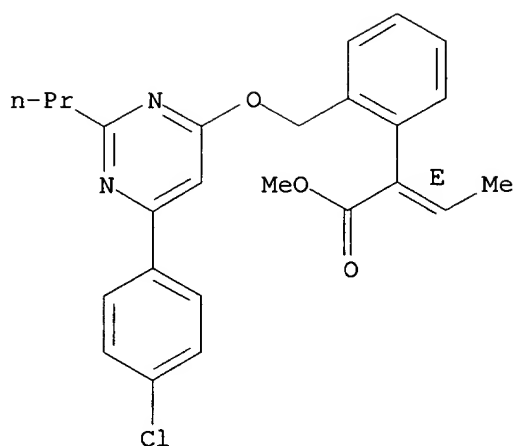


RN 145911-75-7 CAPLUS

CN Benzeneacetic acid, 2-[[[6-(4-chlorophenyl)-2-propyl-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)

(CA INDEX NAME)

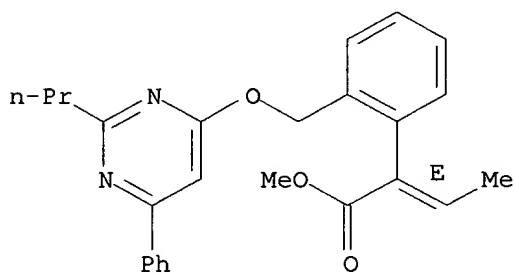
Double bond geometry as shown.



RN 145911-76-8 CAPLUS

CN Benzeneacetic acid, .alpha.-ethylidene-2-[[6-phenyl-2-propyl-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

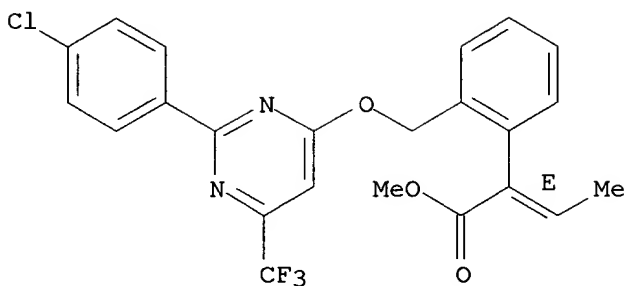
Double bond geometry as shown.



RN 145911-78-0 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(4-chlorophenyl)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-ethylidene-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



L6 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:530074 CAPLUS

DOCUMENT NUMBER: 115:130074

TITLE: **Preparation** of pyrimidine derivatives as acaricides and insecticides

INVENTOR(S): Schuetz, Franz; Brand, Siegbert; Wild, Jochen; Kuekenhoefer, Thomas; Hofmeister, Peter; Kuenast, Christoph

PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.

SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

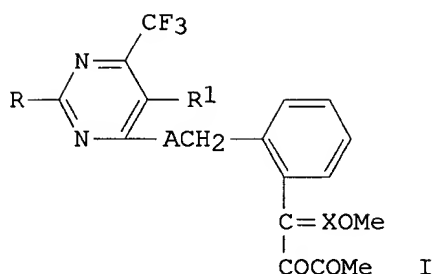
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 407873	A1	19910116	EP 1990-112738	19900704
EP 407873	B1	19930929		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL				
DE 3923068	A1	19910124	DE 1989-3923068	19890713
JP 03052871	A2	19910307	JP 1990-170404	19900629
AT 95029	E	19931015	AT 1990-112738	19900704
ES 2059903	T3	19941116	ES 1990-112738	19900704
IL 95020	A1	19980310	IL 1990-95020	19900710
CA 2021029	AA	19910114	CA 1990-2021029	19900712
AU 9059025	A1	19910117	AU 1990-59025	19900712
AU 624727	B2	19920618		
HU 54664	A2	19910328	HU 1990-4188	19900712
HU 206326	B	19921028		
US 5047408	A	19910910	US 1990-551471	19900712
ZA 9005454	A	19920325	ZA 1990-5454	19900712
US 5106852	A	19920421	US 1991-692867	19910429
PRIORITY APPLN. INFO.:			DE 1989-3923068	19890713
			EP 1990-112738	19900704
			US 1990-551471	19900712

OTHER SOURCE(S): MARPAT 115:130074
GI



AB The pyrimidine derivs. I [R = alkyl, cycloalkyl, haloalkyl, alkoxy, alkylthio, (un)substituted aryl; R1 = H, halo; A = O, S; X = CH, N] are **prepd.** as acaricides and insecticides. A mixt. of 2-propyl-6-trifluoromethyl-4-hydroxy pyrimidine, Me .alpha.-(2-bromomethyl)phenyl-.beta.-methoxy acrylate, KCO₃ and DMF was stirred to give (E)-I (R = Pr, R1 = H, A = O, X = CH) (II). Bean leaves treated with

2 ppm II were lethal to Tetranychus telarius, in the lab.

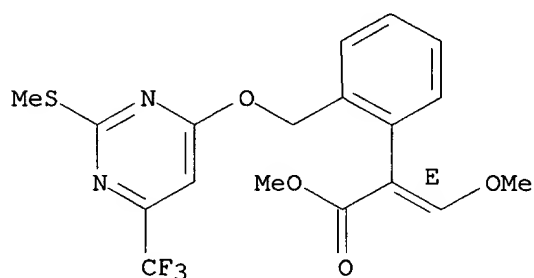
IT 127897-76-1P 127897-77-2P 127897-79-4P
127897-82-9P 135841-74-6P 135841-76-8P
135841-77-9P 135841-78-0P 135841-79-1P
135841-80-4P 135841-81-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**prepn.** of, as acaricide and insecticide)

RN 127897-76-1 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(methylthio)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.

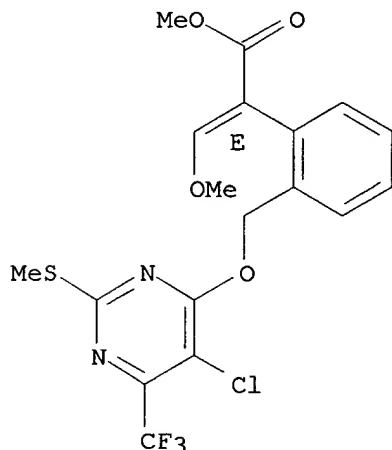


RN 127897-77-2 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-(methylthio)-6-(trifluoromethyl)-4-

pyrimidinyl]oxy)methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)-
(9CI) (CA INDEX NAME)

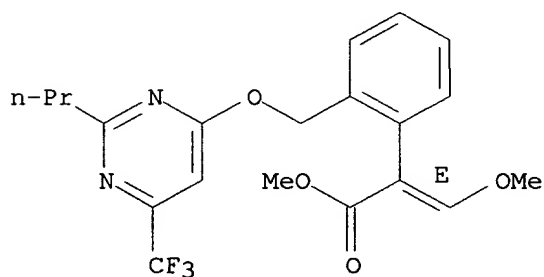
Double bond geometry as shown.



RN 127897-79-4 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy)methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

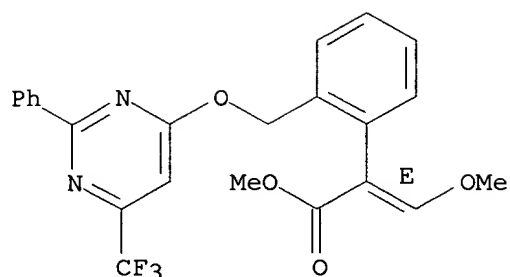
Double bond geometry as shown.



RN 127897-82-9 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-phenyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy)methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

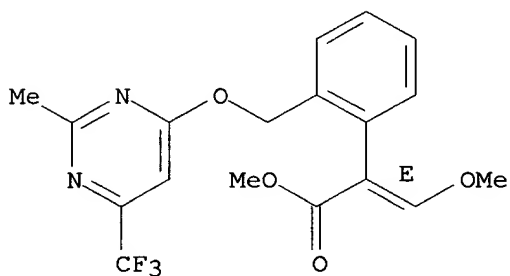
Double bond geometry as shown.



RN 135841-74-6 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-methyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

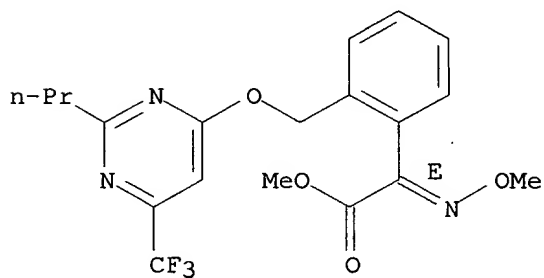
Double bond geometry as shown.



RN 135841-76-8 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxyimino)-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.

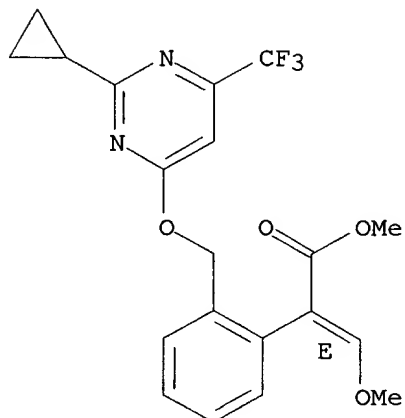


RN 135841-77-9 CAPLUS

CN Benzeneacetic acid, 2-[[[2-cyclopropyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)-

(9CI) (CA INDEX NAME).

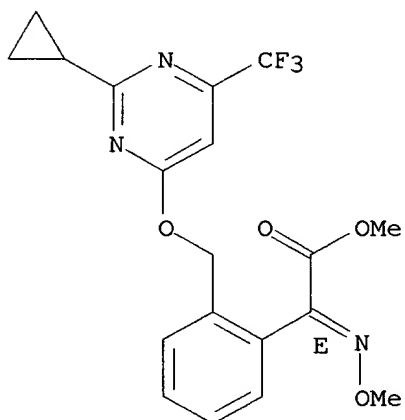
Double bond geometry as shown.



RN 135841-78-0 CAPLUS

CN Benzeneacetic acid, 2-[[[2-cyclopropyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

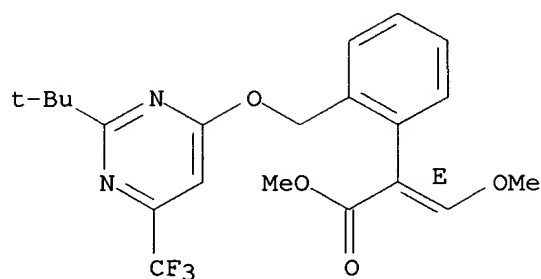
Double bond geometry as shown.



RN 135841-79-1 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(1,1-dimethylethyl)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

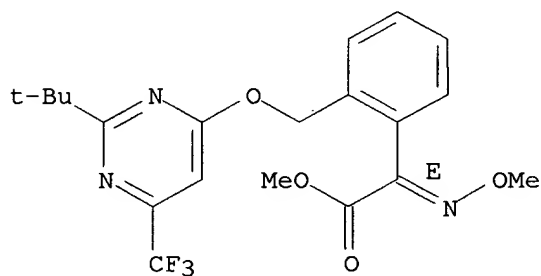
Double bond geometry as shown.



RN 135841-80-4 CAPLUS

CN Benzeneacetic acid, 2-[[[2-(1,1-dimethylethyl)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxyimino)-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

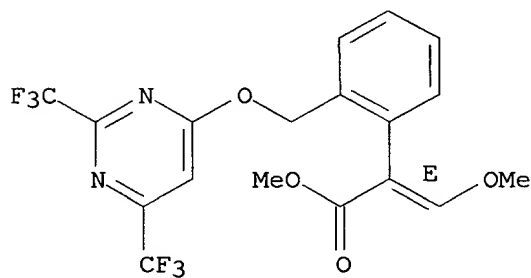
Double bond geometry as shown.



RN 135841-81-5 CAPLUS

CN Benzeneacetic acid, 2-[[[2,6-bis(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



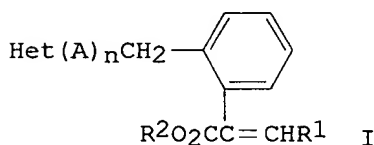
L6 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:440460 CAPLUS

Habte

<05/22/2002

DOCUMENT NUMBER: 113:40460
 TITLE: **Preparation** of heterocyclic-substituted
 .alpha.-arylacrylic acid esters as fungicides
 INVENTOR(S): Schuetz, Franz; Kuekenhoechner, Thomas; Wild, Jochen;
 Sauter, Hubert; Ammermann, Eberhard; Lorenz, Gisela
 PATENT ASSIGNEE(S): BASF A.-G., Fed. Rep. Ger.
 SOURCE: Eur. Pat. Appl., 24 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 350691	A2	19900117	EP 1989-111540	19890624
EP 350691	A3	19910612		
EP 350691	B1	19950524		
EP 350691	B2	19990728		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
DE 3823991	A1	19900215	DE 1988-3823991	19880715
ES 2072276	T3	19950716	ES 1989-111540	19890624
US 5157037	A	19921020	US 1989-376999	19890707
AU 8938116	A1	19900201	AU 1989-38116	19890714
AU 616031	B2	19911017		
JP 02088558	A2	19900328	JP 1989-180633	19890714
JP 2871732	B2	19990317		
US 5194438	A	19930316	US 1991-645604	19910125
US 5326767	A	19940705	US 1992-897093	19920611
US 5378711	A	19950103	US 1992-997521	19921228
PRIORITY APPLN. INFO.:			DE 1988-3823991	19880715
			US 1989-376999	19890707
			US 1991-645604	19910125
OTHER SOURCE(S):		MARPAT 113:40460		
GI				



AB The title compds. I (R₁ = C1-4 alkoxy or C1-4 alkylthio; R₂ = C1-4 alkyl; Het = (un)substituted pyridyl, 2-pyridon-1-yl, 4-pyridon-1-yl, quinolyl, pyrimidinyl, 2-pyrimidinon-1-yl, 4-pyrimidinon-1-yl, or 6-pyrimidinon-1-yl; A = CO₂, O, or S; n = 0 or 1), as well as their plant-compatible acid addn. salts, metal complexes, and N-oxides, are **prepd.** as fungicides. Thus, Me .alpha.-[2-(2'-pyridyl)thiomethylphenyl]-.beta.-methoxyacrylate (II) was **prepd.** by reacting 2-mercaptopyridine with Me .alpha.-(2-bromomethylphenyl)-

.beta.-methoxyacrylate. II as a 0.1% spray showed 90% preventive activity

against *Pseudocercospora herpotrichoides* on wheat.

IT 127897-75-0P 127897-76-1P 127897-77-2P

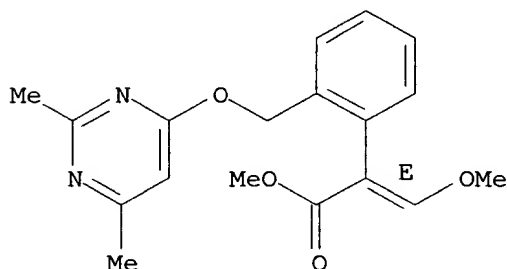
127897-79-4P 127897-82-9P 127897-83-0P

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(**prepn.** of, as fungicide)

RN 127897-75-0 CAPLUS

CN Benzeneacetic acid, 2-[[[(2,6-dimethyl-4-pyrimidinyl)oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

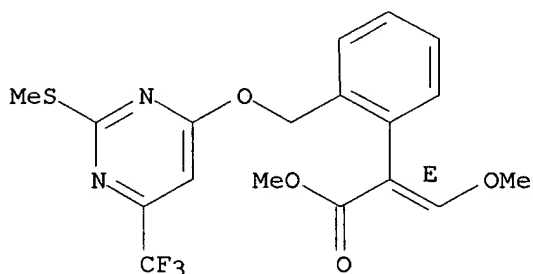
Double bond geometry as shown.



RN 127897-76-1 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-(methylthio)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

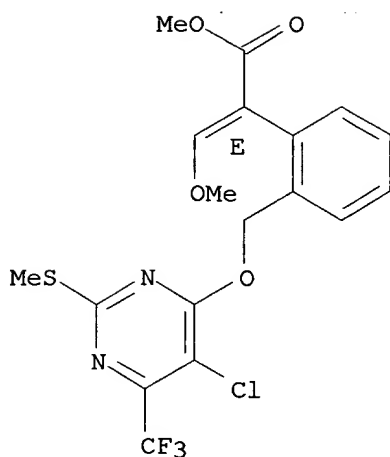
Double bond geometry as shown.



RN 127897-77-2 CAPLUS

CN Benzeneacetic acid, 2-[[[5-chloro-2-(methylthio)-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)- (9CI) (CA INDEX NAME)

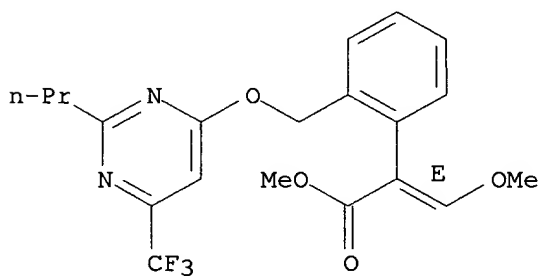
Double bond geometry as shown.



RN 127897-79-4 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-propyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

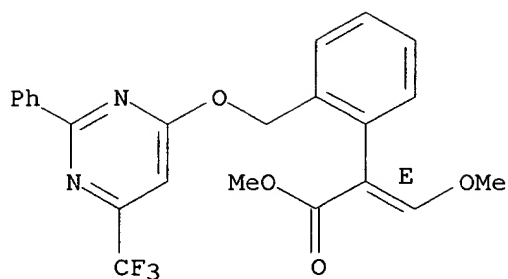
Double bond geometry as shown.



RN 127897-82-9 CAPLUS

CN Benzeneacetic acid, .alpha.-(methoxymethylene)-2-[[[2-phenyl-6-(trifluoromethyl)-4-pyrimidinyl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

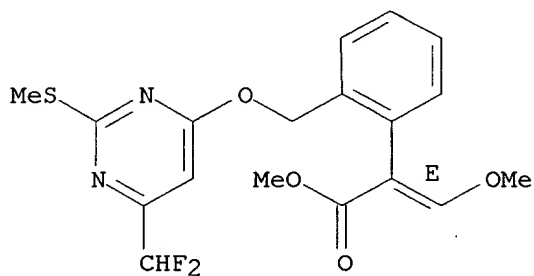
Double bond geometry as shown.



RN 127897-83-0 CAPLUS

CN Benzeneacetic acid, 2-[[[6-(difluoromethyl)-2-(methylthio)-4-pyrimidinyl]oxy]methyl]-.alpha.-(methoxymethylene)-, methyl ester, (E)-(9CI) (CA INDEX NAME)

Double bond geometry as shown.



=> log y

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE

ENTRY

62.29

SINCE FILE

ENTRY

-8.05

TOTAL

SESSION

205.46

TOTAL

SESSION

-8.05

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